

**Directions of Test**

Test Name	Actual MAT 09	Total Questions	200	Total Time	150 Mins
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Section Name	No. of Questions	Marks per Question	Negative Marking
GK	40	1	1/4
DI	40	1	1/3
Quant	40	1	1/4
Reasoning	40	1	1/4
Verbal	40	1	1/4

**Section : GK**

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 1**

Virat Kohli, the Indian cricketer has recently become the first Indian sportsperson to sign a Rs. 100-crore endorsement deal for 8 years with a single sports lifestyle brand \_\_\_\_\_

- A) Nike   B) Puma   C) Reebok   D) Adidas

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 2**

Where did the two days South Asian Speaker's Summit on Achieving Sustainable Development Goals (SDG) take place in India in February 2017?

- A) Indore   B) Bhubaneswar   C) Hyderabad   D) Ranchi

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 3**

Who among the following won the 2017 Laureus World Sports awards as sportswoman of the year in February 2017?

- A) Angelique Kerber   B) Elaine Thompson   C) Simone Biles   D) None of these

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 4**

What was the theme of the International Mother Language Day (IMLD) which was observed across the world on 21 February to promote awareness of linguistic, multilingualism and cultural diversity?

- A) Local languages for Global Citizenship: Spotlight on Science  
 B) Quality education, language(s) of instruction and learning outcomes  
 C) Towards Sustainable Futures through Multilingual Education   D) Inclusion in and through education: language counts

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 5**

The Cabinet Committee on Security (CCS), Govt. of India has recently approved a deal of Rs. 17,000 crore to jointly develop a medium range surface-to-air missile (MR-SAM) system for Indian army with the help of \_\_\_\_\_

- A) Israel    B) USA    C) Germany    D) Russia

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 6**

India's longest \_\_\_\_\_ (approx.) highway tunnel at Chenani-Nashri, between Udhampur and Ramban in J&K was inaugurated in April 2017.

- A) 8.3 km    B) 9.2 km    C) 10.9 km    D) 11.7 km
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 7**

How many pacts have been signed between India and Malaysia in March 2017 during the visit of Malaysian Prime Minister Najib Abdul Razak?

- A) Seven    B) Nine    C) Ten    D) Thirteen

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 8**

Who among the following has been awarded the Best actor at 89th Oscar Academy Awards?

- A) Casey Affleck    B) Leonardo DiCaprio    C) Mark Rylance    D) Mahershala Ali
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 9**

Which female shuttler has won the Indian Open Super Series title held in March-April 2017?

- A) Carolina Marin    B) Sung Ji Hyun    C) Akane Yamaguchi    D) P.V. Sindhu

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 10**

Which team has won the Deodhar Trophy 2016-17

- A) India A    B) India B    C) Tamil Nadu    D) Gujarat
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 11**

Which European country has issued its first 'green bonds' with a record seven-billion euro (\$7.5 billion) sale in January 2017, paving the way for the establishment of a genuine market in renewable energy bonds?

- A) Germany    B) United Kingdom    C) France    D) Poland

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 12**

As per the finance minister of India, how much total expenditure in Budget for the year 2017-18 has been placed?

- A) Rs. 17.04 Lakh Crore    B) Rs. 21.47 Lakh Crore    C) Rs. 24.33 Lakh Crore    D) Rs. 27.62 Lakh Crore
-

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 13**

Where was the India's first integrated heliport, a dedicated landing facility for helicopters, opened in February 2017?

- A) Delhi   B) Bengaluru   C) Bhopal   D) Hyderabad

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 14**

As per the National Family Health Survey-4 (NFHS-4) for 2015-16 by the Ministry of Health and Family Welfare, GoI, the Infant Mortality Rate has declined from 57 to per 1,000 live births between NFHS-3 (2005-06) and NFHS-4.

- A) 52   B) 48   C) 44   D) 41
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 15**

Which of the world's longest serving warship was decommissioned by the Indian Navy at Naval Dockyard hi Mumbai in March 2017?

- A) INS Viraat   B) INS Vikrant   C) INS Vindhyagiri   D) INS Godavari

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 16**

Which automobile company has recently unveiled its first 2-seater sports car 'Tamo ReceMo' at the Geneva International Motor Show?

- A) Hyundai Motors   B) Toyota Motors   C) Tata Motors   D) Maruti Suzuki
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 17**

Which country has fired their Indian-born Attorney Mr Preet Bharara in March 2017 after he defied a request to resign?

- A) Canada   B) UK   C) USA   D) New Zealand

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 18**

Which one of the following luxury floating hotels has been inaugurated at Bandra under the Bandra-Worli Sea link, Mumbai in March 2017?

- A) Aquatic Floating Resort   B) Flor Do Mar   C) AB Celestial   D) Ocean Spray
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 19**

Fighter jets of which European country have recently escorted an Ahmedabad-London Air India flight after it lost contact with the air traffic control (ATC) for nearly an hour while flying over the east European country?

- A) Poland   B) Hungary   C) Romania   D) Bulgaria

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 20**

China has recently hiked its military spending by 7% to \$152 billion, which is about \_\_\_\_\_times higher than the defence budget of India for the year 2017-18.

- A) two    B) three    C) four    D) five
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 21**

Which Indian has successfully defended the Indian Open golf title held in March 2017?

- A) Jyoti Randhawa    B) SSP Chawrasia    C) Anirban Lahiri    D) Jeev Milkha Singh

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 22**

Which Indian-American woman has been confirmed by the US Senate as the Director of the Centers for Medicare and Medicaid Services in the Donald Trump administration in March 2017?

- A) Seema Verma    B) Nikki Haley    C) Shree Chauhan    D) None of these
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 23**

According to Mercer's Quality of Living index rankings 2017, which Indian city for the third consecutive time, has emerged as the best Indian city in terms of quality of living?

- A) Mysore    B) Pune    C) Dehradun    D) Hyderabad

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 24**

How many satellites were from India when ISRO scripted history with the successful launch of a record 104 satellites in February 2017 in a single mission?

- A) Three    B) Five    C) Nine    D) Twenty six
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 25**

Who among the following former Chief Justices of India expired at the age of 68 in Kolkata in February 2017 due to kidney ailments?

- A) Sarosh H Kapadia    B) Altamas Kabir    C) Y K Sabharwal    D) None of these

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 26**

Senate of which country has unanimously passed in February 2017, the much-awaited "The Hindu Marriage Bill, 2017", a landmark bill to regulate marriages of minority Hindus?

- A) Pakistan    B) The UK    C) Bangladesh    D) Canada
- 

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 27**

Who has been appointed as the chairman of Securities and Exchange Board of India (SEBI) in recent past?

- A) UK Sinha   B) Ajay Tyagi   C) Sanjeev Sanyal   D) None of these

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 28**

Mohamed Abdullahi Mohamed 'Farmajo' was the former Prime Minister and now elected as the new President of \_\_\_\_\_.

- A) Algeria   B) Ethiopia   C) Somalia   D) Namibia

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 29**

Who has become the first ever woman Foreign Secretary of Pakistan in February 2017?

- A) Hina Rabbani Khar   B) Tehmina Janjua   C) Shazia Marri   D) None of these

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 30**

Which of the former Director of Central Bureau of Investigation (CBI) has penned books like 'Without Fear Or Favour', 'Outside CBI', 'Inside India' & 'Born to Win'?

- A) Joginder Singh   B) P C Sharma   C) U S Mishra   D) Ranjit Sinha

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 31**

Which singer has won five awards including song and recording of the year honors and also for the album of the year in the 59th Annual Grammy Awards?

- A) Willie Nelson   B) Sarah Jarosz   C) Adele   D) Meren Morris

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 32**

As per the World LPG Association (WLPGA), India has become the \_\_\_\_\_ domestic LPG (Liquefied Petroleum Gas) consumer in the world at 19 million tonnes/Year.

- A) largest   B) second largest   C) third largest   D) fourth largest

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 33**

'Kheleo' the official mascot of the FIFA under-17 World Cup unveiled in February 2017 is a vulnerable wild

- A) Himalayan Wolf   B) Clouded Leopard   C) Lion-tailed Macaque   D) One Horned Rhinoceros

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 34**

The Govt. of India has recently given its approval to the merger plan of the State Bank of India with which of the following five associate banks?

- |                            |                              |                                   |                             |
|----------------------------|------------------------------|-----------------------------------|-----------------------------|
| a. State Bank of Patiala   | b. State Bank of Maharashtra | c. State Bank of Allahabad        | d. State Bank of Mysore     |
| e. State Bank of Hyderabad | f. State bank of Andhra      | g. State Bank of Bikaner & Jaipur | h. State Bank of Travancore |

A) a, c, d, e, f   B) a, d, e, g, h   C) b, d, e, f, h   D) b, c, e, f, g

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**DIRECTIONS for the question:** Mark the best option:

**Question No. : 35**

Reserve Bank of India has retained the Repo Rate under the Liquidity Adjustment Facility (LAF) at\_\_\_\_\_ in the 6th Bimonthly Monetary Policy Review for 2016-17.

A) 5.75%   B) 6.00%   C) 6.25%   D) 6.50%

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 36**

Fund raising through initial public offering (IPOs) in India has mobilized Rs. 29018 crore which is best showing in last six years and is nearly \_\_\_\_\_ in 2016-17 compare to 2015-16.

A) two times   B) three times   C) four times   D) five times

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**DIRECTIONS for the question:** Mark the best option:

**Question No. : 37**

Which one of the following countries is not the part of the South Asian countries of South Asia Subregional Economic Cooperation (SASEC)?

A) Afghanistan   B) Nepal   C) Sri Lanka   D) Maldives

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 38**

Which tiger reserve has become the first tiger reserve in India to officially introduce a mascot named Bhobrsingh the Barasingha, to create a better connect with its visitors?

A) Badipur Tiger Reserve, Karnataka   B) Ranthambore Tiger Reserve, Rajasthan   C) Kanha Tiger Reserve, MP  
D) Kaziranga Tiger Reserve, Assam

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**DIRECTIONS for the question:** Mark the best option:

**Question No. : 39**

Who among the following female Judges has been recently appointed as the Chief Justice of the Madras High Court?

A) Justice Manjula Chellur   B) Justice G Rohini   C) Justice Indira Banerjee   D) Justice Nishita Mhatre

**DIRECTIONS for the question:** Mark the best option:

**Question No. : 40**

The stock market's strong performance over the last few years and the falling rate of interest in traditional investments have led to 35.6% growth in assets managed by mutual fund houses in India with record \_\_\_\_\_ lakh crore in the financial year 2016-17.

A) Rs. 11.9   B) Rs. 13.5   C) Rs. 18.3   D) Rs. 21.7

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**Section : DI**

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**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 41**

As per the report published in one of the magazines it transpires that about 20 % of the world's humanity lives in South Asia and has approximately half of the world's illiterates. It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa. This report further states that only 30 % births are attended by trained health workers or nurses there. Ten out of 100 infants die at infancy and four more die before attaining the age of five years. In fact half of the 104 million juvenile malnutrition cases are to be seen in Bangladesh, Pakistan and India where India accounts for 42 million such cases for the children below the age of 5 years. If these children survive the first 5 years there are even chances that they will not attend school. 44 % of those who attend the school drop out after fifth standard. They have to go out for earning to add up to the family income. Twenty five percent of South Asian children under the age of 18, work as labourers or work in the fields and the region has almost 125 million children in the job market. Unofficial figures indicate that about 48 million Indian children form the largest chunk of such population but the official figure is 20 million. The record book indicates that 68 % of Indian male children are enrolled in schools whereas the girl children share is 43 %. Only 42 out of 100 women are literate as compared to 65 percent for men.

The number of children below the age of 18 in South Asia is \_\_\_\_.

- A) 420 million    B) 370 million    C) 350 million    D) 500 million

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 42**

As per the report published in one of the magazines it transpires that about 20 % of the world's humanity lives in South Asia and has approximately half of the world's illiterates. It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa. This report further states that only 30 % births are attended by trained health workers or nurses there. Ten out of 100 infants die at infancy and four more die before attaining the age of five years. In fact half of the 104 million juvenile malnutrition cases are to be seen in Bangladesh, Pakistan and India where India accounts for 42 million such cases for the children below the age of 5 years. If these children survive the first 5 years there are even chances that they will not attend school. 44 % of those who attend the school drop out after fifth standard. They have to go out for earning to add up to the family income. Twenty five percent of South Asian children under the age of 18, work as labourers or work in the fields and the region has almost 125 million children in the job market. Unofficial figures indicate that about 48 million Indian children form the largest chunk of such population but the official figure is 20 million. The record book indicates that 68 % of Indian male children are enrolled in schools whereas the girl children share is 43 %. Only 42 out of 100 women are literate as compared to 65 percent for men.

The percentage of the infants born who do not drop out before reaching 5<sup>th</sup> Standard is

- A) 33    B) 20    C) 25    D) Data Inadequate

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 43**

As per the report published in one of the magazines it transpires that about 20 % of the world's humanity lives in South Asia and has approximately half of the world's illiterates. It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa. This report further states that only 30 % births are attended by trained health workers or nurses there. Ten out of 100 infants die at infancy and four more die before attaining the age of five years. In fact half of the 104 million juvenile malnutrition cases are to be seen in Bangladesh, Pakistan and India where India accounts for 42 million such cases for the children below the age of 5 years. If these children survive the first 5 years there are even chances that they will not attend school. 44 % of those who attend the school drop out after fifth standard. They have to go out for earning to add up to the family income. Twenty five percent of South Asian children under the age of 18, work as labourers or work in the fields and the region has almost 125 million children in the job market. Unofficial figures indicate that about 48 million Indian children form the largest chunk of such population but the official figure is 20 million. The record book indicates that 68 % of Indian male children are enrolled in schools whereas the girl children share is 43 %. Only 42 out of 100 women are literate as compared to 65 percent for men.

\_\_\_\_\_ % of world's illiteracy lives in South Asia.

- A) 35    B) 50    C) 25    D) 17

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 44**

As per the report published in one of the magazines it transpires that about 20 % of the world's humanity lives in South Asia and

has approximately half of the world's illiterates. It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa. This report further states that only 30 % births are attended by trained health workers or nurses there. Ten out of 100 infants die at infancy and four more die before attaining the age of five years. In fact half of the 104 million juvenile malnutrition cases are to be seen in Bangladesh, Pakistan and India where India accounts for 42 million such cases for the children below the age of 5 years. If these children survive the first 5 years there are even chances that they will not attend school. 44 % of those who attend the school drop out after fifth standard. They have to go out for earning to add up to the family income. Twenty five percent of South Asian children under the age of 18, work as labourers or work in the fields and the region has almost 125 million children in the job market. Unofficial figures indicate that about 48 million Indian children form the largest chunk of such population but the official figure is 20 million. The record book indicates that 68 % of Indian male children are enrolled in schools whereas the girl children share is 43 %. Only 42 out of 100 women are literate as compared to 65 percent for men.

\_\_\_\_\_ % of infants born in South Asia do not survive till the age of 5.

- A) 10   B) 16   C) 4   D) 14

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 45**

As per the report published in one of the magazines it transpires that about 20 % of the world's humanity lives in South Asia and has approximately half of the world's illiterates. It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa. This report further states that only 30 % births are attended by trained health workers or nurses there. Ten out of 100 infants die at infancy and four more die before attaining the age of five years. In fact half of the 104 million juvenile malnutrition cases are to be seen in Bangladesh, Pakistan and India where India accounts for 42 million such cases for the children below the age of 5 years. If these children survive the first 5 years there are even chances that they will not attend school. 44 % of those who attend the school drop out after fifth standard. They have to go out for earning to add up to the family income. Twenty five percent of South Asian children under the age of 18, work as labourers or work in the fields and the region has almost 125 million children in the job market. Unofficial figures indicate that about 48 million Indian children form the largest chunk of such population but the official figure is 20 million. The record book indicates that 68 % of Indian male children are enrolled in schools whereas the girl children share is 43 %. Only 42 out of 100 women are literate as compared to 65 percent for men.

The % adult literacy rate in Sub-Saharan Africa exceeds % adult literacy rate in South Asia by what percent?

- A) 20 %   B) 16.6 %   C) 12 %   D) None of these

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 46**

If the expression  $x^2 - 4x + 3.75 = 0$  is true, what is the unique value of  $x$ ?

- I.  $x$  is a positive real number.  
 II.  $x$  is less than  $(1 + 1/n)^n$ , where  $n$  is a positive integer.

- A) if statement I alone is sufficient to provide the answer   B) if statement II alone is sufficient to provide the answer  
 C) if both statements are required to provide the answer   D) if neither statement I nor II is sufficient to provide the answer

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 47**

Amongst five students A, B, C, D, E, who got the maximum marks?

- I. D got more than A and C.  
 II. B got less than E but more than D.

- A) if statement I alone is sufficient to provide the answer   B) if statement II alone is sufficient to provide the answer  
 C) if both statements are required to provide the answer   D) if neither statement I nor II is sufficient to provide the answer

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.



**Question No. : 48**

What is the cost of a book?

- I. The selling price is 25% more than the cost price.
  - II. The seller makes a profit of Rs. 100 on selling every lot of 5 books.
- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer
- 

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 49**

How many tonnes of cement will be needed for the foundation of a flat?

- I. For construction of entire flat 50 tonnes of cement will be used.
  - II. The volume of the cement needed for the foundation is 100 cubic yards.
- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer
- 

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 50**

A toy was initially listed at a price to give the shopkeeper 20% profit of the wholesale cost. What is the wholesale cost?

- I. After reducing the listed price by 10%, the toy sold for a profit of Rs. 10.
  - II. The toy was sold for Rs. 50.
- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer
- 

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 51**

In a class, 150 students took the examination of Physics and Chemistry. 90 students passed in Chemistry and 50 passed in Physics. How many students passed in both?

- I. Overall 30 students failed in both the papers.
  - II. Physics paper was tougher than Chemistry paper.
- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer
- 

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 52**

Is  $a < b$ ?

- I.  $a^2 - 4a + 4 = 0$
  - II.  $b^2 - 6b + 9 = 0$
- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer
- 

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 53**

In a queue for railway tickets, 5 persons Ram, Shyam, Narender, Naresh, Ramesh are standing in random order. Who is the 3<sup>rd</sup> person in the queue?

- I. Shyam is standing behind Ram and Narender is ahead of Ram.  
 II. The queue starts from Ramesh and ends with Naresh.

- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
 C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 54**

In a group of 4 students X, Y, Z and A, who got the maximum marks?

- I. Z got less marks than Y.  
 II. Y got more marks than X but less than A.

- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
 C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer

**DIRECTIONS for the question:** The question below is followed by two statements marked I and II. Mark as your answer.

**Question No. : 55**

What is the value of a 2-digit number?

- I. The sum of the 2 digits is 6.  
 II. The difference of the 2 digits is 2.

- A) if statement I alone is sufficient to provide the answer    B) if statement II alone is sufficient to provide the answer  
 C) if both statements are required to provide the answer    D) if neither statement I nor II is sufficient to provide the answer

**DIRECTIONS for the question:** The question consist of two quantities, one in Column A and the other in Column B. Mark answer as

**Question No. : 56****Column A****Column B**

$$(16 \div 4 + 8 \times 2 - 8)$$

$$(3 \times 4 + 1 \div 5 - 3)$$

- A) if the quantity in Column A is greater    B) if the quantity in Column B is greater    C) if the two quantities are equal  
 D) if comparison cannot be made from the information given

**DIRECTIONS for the question:** The question consist of two quantities, one in Column A and the other in Column B. Mark answer as

**Question No. : 57****Column A****Column B**

0.01 divided by 0.1

0.01 times 0.1

- A) if the quantity in Column A is greater    B) if the quantity in Column B is greater    C) if the two quantities are equal  
 D) if comparison cannot be made from the information given

**DIRECTIONS for the question:** The question consist of two quantities, one in Column A and the other in Column B. Mark answer as

as

**Question No. : 58**

**Column A**

$$9\sqrt{(1/3)}$$

**Column B**

$$6\sqrt{(1/2)}$$

- A) if the quantity in Column A is greater    B) if the quantity in Column B is greater    C) if the two quantities are equal  
D) if comparison cannot be made from the information given

**DIRECTIONS for the question:** The question consist of two quantities, one in Column A and the other in Column B. Mark answer as

**Question No. : 59**

**Column A**

Semi-circumference of a circle with  
radius 10 cm

**Column B**

Circumference of a circle with radius 5  
cm

- A) if the quantity in Column A is greater    B) if the quantity in Column B is greater    C) if the two quantities are equal  
D) if comparison cannot be made from the information given

**DIRECTIONS for the question:** The question consist of two quantities, one in Column A and the other in Column B. Mark answer as

**Question No. : 60**

**Column A**

Circumference of a circle with radius  
= 1 cm

**Column B**

Perimeter of a square whose side is 1.5  
cm

- A) if the quantity in Column A is greater    B) if the quantity in Column B is greater    C) if the two quantities are equal  
D) if comparison cannot be made from the information given

**DIRECTIONS for the question:** Study the table/s given below and answer the question that follows.

**Question No. : 61**

Table A gives the readership of magazines in hundred from 2001 to 2004 and Table B indicates the number of magazines published during this period.

**Table A**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	1000	1200	1500	1600	2000	1800	2500	2000
Sports	400	200	600	400	1000	700	1200	800
Film	600	800	900	1200	1000	1500	1200	1800
Business	300	100	400	150	600	250	800	500

**Table B**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	12	10	15	14	17	15	29	16
Sports	3	2	5	3	7	4	8	6
Film	3	4	5	6	5	7	6	8
Business	4	2	5	3	6	4	7	8

E = English, H = Hindi

No magazine was discontinued during the above period.

What is the approximate average readership per magazine in 2003?

- A) 14600   B) 13615   C) 13000   D) 14100

**DIRECTIONS for the question:** Study the table/s given below and answer the question that follows.

**Question No. : 62**

Table A gives the readership of magazines in hundred from 2001 to 2004 and Table B indicates the number of magazines published during this period.

**Table A**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	1000	1200	1500	1600	2000	1800	2500	2000
Sports	400	200	600	400	1000	700	1200	800
Film	600	800	900	1200	1000	1500	1200	1800
Business	300	100	400	150	600	250	800	500

**Table B**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	12	10	15	14	17	15	29	16
Sports	3	2	5	3	7	4	8	6
Film	3	4	5	6	5	7	6	8
Business	4	2	5	3	6	4	7	8

E = English, H = Hindi

No magazine was discontinued during the above period.

Between 2001 and 2003, the number of magazines added is

- A) 22   B) 25   C) 26   D) 28

**DIRECTIONS for the question:** Study the table/s given below and answer the question that follows.

**Question No. : 63**

Table A gives the readership of magazines in hundred from 2001 to 2004 and Table B indicates the number of magazines published during this period.

**Table A**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	1000	1200	1500	1600	2000	1800	2500	2000
Sports	400	200	600	400	1000	700	1200	800
Film	600	800	900	1200	1000	1500	1200	1800
Business	300	100	400	150	600	250	800	500

**Table B**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	12	10	15	14	17	15	29	16
Sports	3	2	5	3	7	4	8	6
Film	3	4	5	6	5	7	6	8
Business	4	2	5	3	6	4	7	8

E = English, H = Hindi

No magazine was discontinued during the above period.

What is the ratio of added Hindi magazines to added English magazines between 2001 and 2002?

- A) 3:2   B) 2:3   C) 1:1   D) 6:1

**DIRECTIONS for the question:** Study the table/s given below and answer the question that follows.

**Question No. : 64**

Table A gives the readership of magazines in hundred from 2001 to 2004 and Table B indicates the number of magazines published during this period.

**Table A**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	1000	1200	1500	1600	2000	1800	2500	2000
Sports	400	200	600	400	1000	700	1200	800
Film	600	800	900	1200	1000	1500	1200	1800
Business	300	100	400	150	600	250	800	500

**Table B**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	12	10	15	14	17	15	29	16
Sports	3	2	5	3	7	4	8	6
Film	3	4	5	6	5	7	6	8
Business	4	2	5	3	6	4	7	8

E = English, H = Hindi

No magazine was discontinued during the above period.

In 2002, as against 2001, readership per magazine declined for which category?

- A) Sports    B) General    C) Business    D) Film

**DIRECTIONS for the question:** Study the table/s given below and answer the question that follows.

**Question No. : 65**

Table A gives the readership of magazines in hundred from 2001 to 2004 and Table B indicates the number of magazines published during this period.

**Table A**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	1000	1200	1500	1600	2000	1800	2500	2000
Sports	400	200	600	400	1000	700	1200	800
Film	600	800	900	1200	1000	1500	1200	1800
Business	300	100	400	150	600	250	800	500

**Table B**

Category	2001		2002		2003		2004	
	E	H	E	H	E	H	E	H
General	12	10	15	14	17	15	29	16
Sports	3	2	5	3	7	4	8	6
Film	3	4	5	6	5	7	6	8
Business	4	2	5	3	6	4	7	8

E = English, H = Hindi

No magazine was discontinued during the above period.

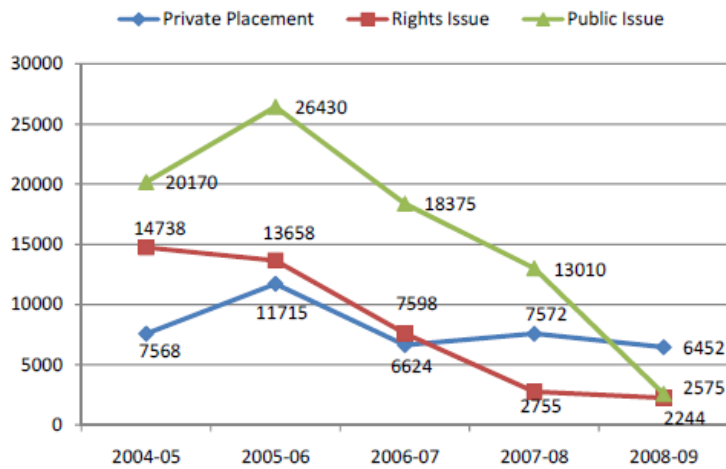
Considering only the English Sports magazines, what is the ratio between readership in 2001 and the readership during 2001 - 2004?

- A) 1/8    B) 4/53    C) 2/9    D) 2/15

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 66**

The graph indicates the amount of money raised through various financial instruments from capital market by M/s PP Ltd. The amount is in Rs. Crores.



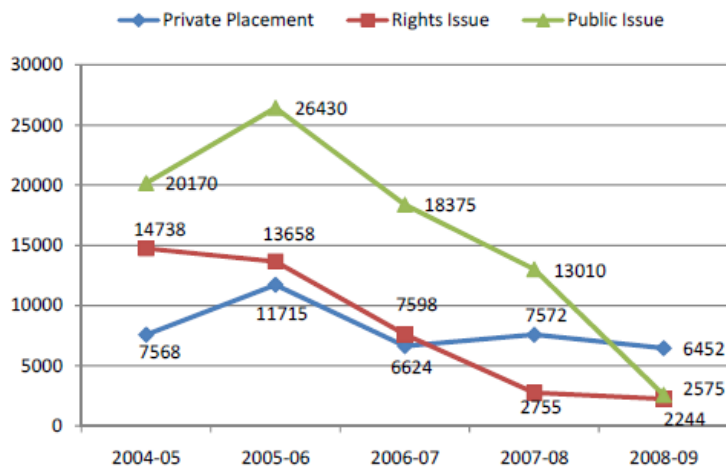
The amount of private placement raised as a percentage of total funds raised was the maximum in the year \_\_ ?

- A) 2004-05   B) 2007-08   C) 2005-06   D) 2008-09

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 67**

The graph indicates the amount of money raised through various financial instruments from capital market by M/s PP Ltd. The amount is in Rs. Crores.



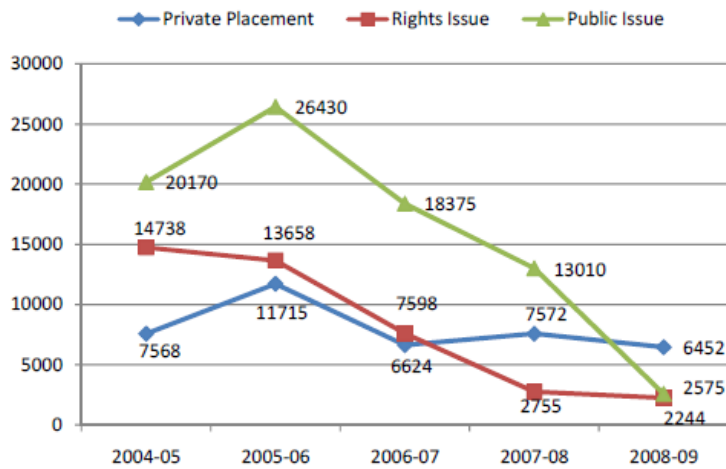
The total amount of funds raised was the least in which of the following years?

- A) 2008-09   B) 2005-06   C) 2004-05   D) 2007-08

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 68**

The graph indicates the amount of money raised through various financial instruments from capital market by M/s PP Ltd. The amount is in Rs. Crores.



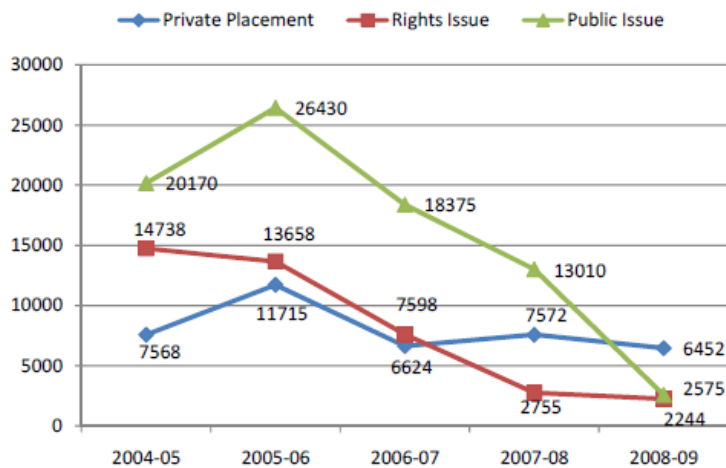
The average amount raised by way of public issue for the period 2004-05 to 2008-09 excluding the period 2005-06 is

- A) Rs. 16,112 crores    B) Rs. 14,159 crores    C) Rs. 17,628 crores    D) Rs. 13,532 crores

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 69**

The graph indicates the amount of money raised through various financial instruments from capital market by M/s PP Ltd. The amount is in Rs. Crores.



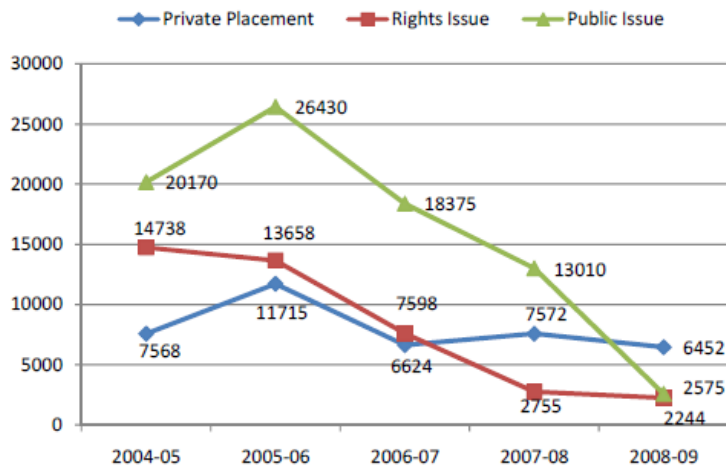
What is the percentage of amount raised by public issue to the total amount raised?

- A) 52%    B) 49.9%    C) 50.19%    D) 46%

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 70**

The graph indicates the amount of money raised through various financial instruments from capital market by M/s PP Ltd. The amount is in Rs. Crores.



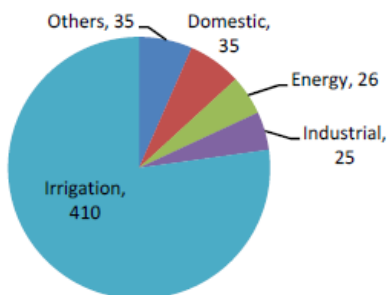
What is the percentage decrease in amount raised by rights issue in 2006-07 as compared to that of 2005-06?

- A) 44.4%   B) 42.2%   C) 54.4%   D) 45%

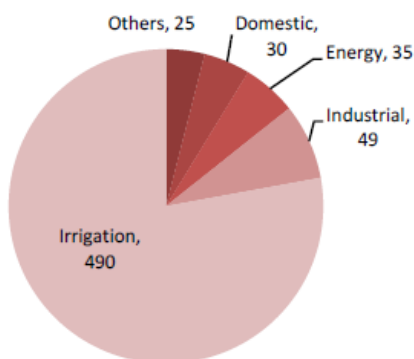
**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 71**

The question is based on the pie charts which represent the shift in water usage between 2006 and 2009; based on a survey conducted by Central Water Commission.



**Water Usage in 2006 (in Trillion litres)**



**Water Usage in 2009 (in Trillion litres)**

If the ratio of processing cost for water for industrial, energy and domestic usage for both the years is 3 : 5 : 2, what is the ratio of processing cost for above mentioned usage in 2006 to that in 2009?

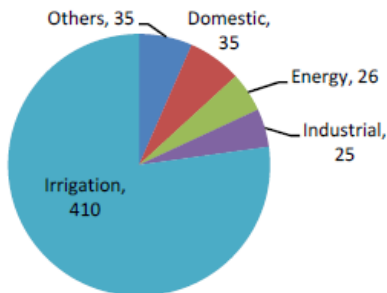
- A) 0.68   B) 0.72   C) 0.60   D) 0.77



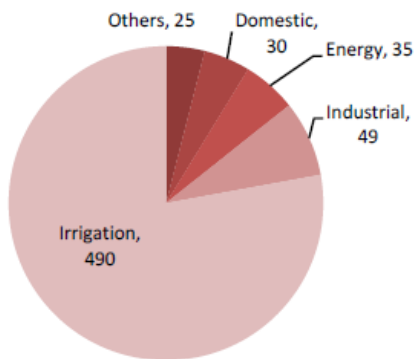
**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 72**

The question is based on the pie charts which represent the shift in water usage between 2006 and 2009; based on a survey conducted by Central Water Commission.



**Water Usage in 2006 (in Trillion litres)**



**Water Usage in 2009 (in Trillion litres)**

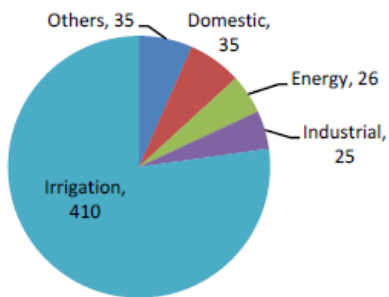
What is the percentage increase in usage in energy related sector from 2006 to 2009?

- A) 14.4%   B) 23.3%   C) 34.62%   D) 17%

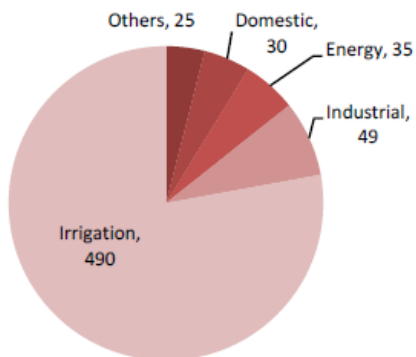
**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 73**

The question is based on the pie charts which represent the shift in water usage between 2006 and 2009; based on a survey conducted by Central Water Commission.



**Water Usage in 2006 (in Trillion litres)**



**Water Usage in 2009 (in Trillion litres)**

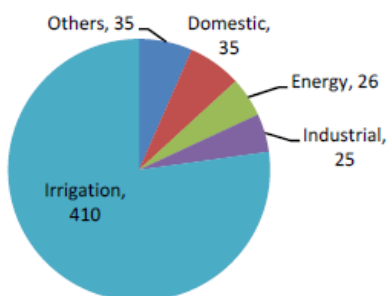
What is the irrigation usage as a percentage of total usage in 2009?

- A) 65.18%   B) 83.45%   C) 75%   D) 77.9%

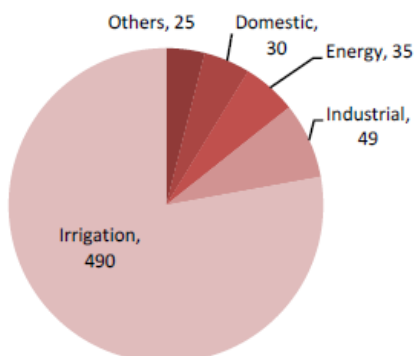
**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 74**

The question is based on the pie charts which represent the shift in water usage between 2006 and 2009; based on a survey conducted by Central Water Commission.



**Water Usage in 2006 (in Trillion litres)**



**Water Usage in 2009 (in Trillion litres)**

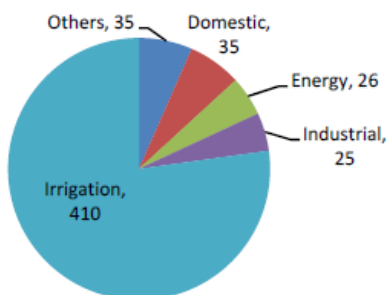
What is the difference in domestic usage as percentage of total usage between 2006 and 2009?

- A) 3.16   B) 2.08   C) 2.26   D) 1.82

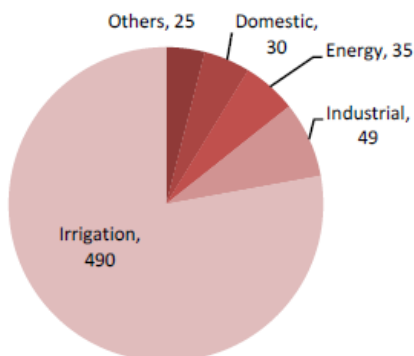
**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 75**

The question is based on the pie charts which represent the shift in water usage between 2006 and 2009; based on a survey conducted by Central Water Commission.



**Water Usage in 2006 (in Trillion litres)**



**Water Usage in 2009 (in Trillion litres)**

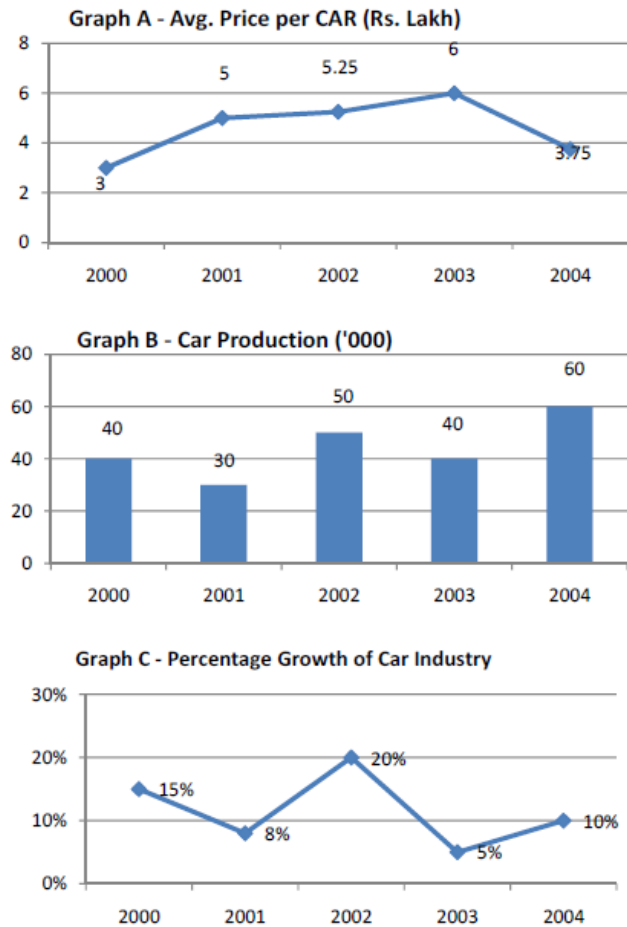
Which one out of the four shows the highest percentage increase in usage from 2006 to 2009?

A) Domestic    B) Industrial    C) Others    D) Energy

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 76**

The graphs are related to M/s PAL, a reputed automobile company in Asia. Graph A indicates the average price per car in Rs. Lacs. Graph B represents the production in units of thousands. Graph C depicts the growth rate of the entire car industry on volume basis.



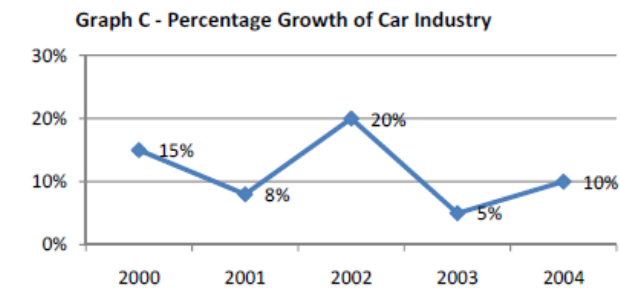
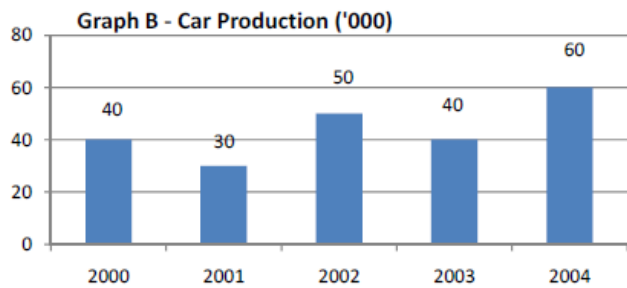
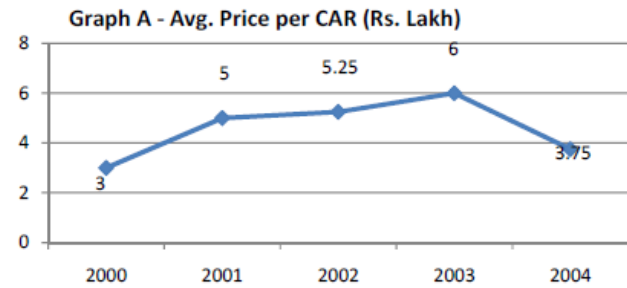
What is the average annual growth rate of PAL car production for the period 2001 to 2004?

A) 100%    B) 20%    C) 50%    D) 33.3%

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 77**

The graphs are related to M/s PAL, a reputed automobile company in Asia. Graph A indicates the average price per car in Rs. Lacs. Graph B represents the production in units of thousands. Graph C depicts the growth rate of the entire car industry on volume basis.



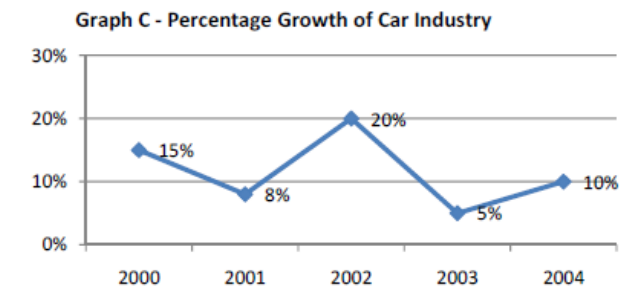
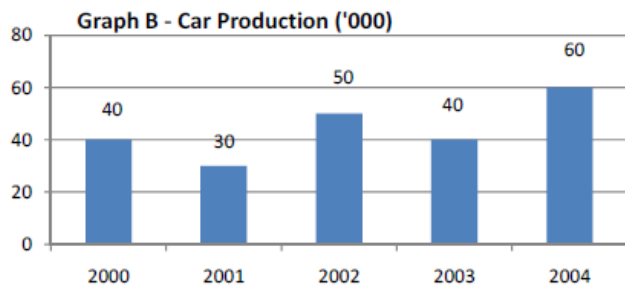
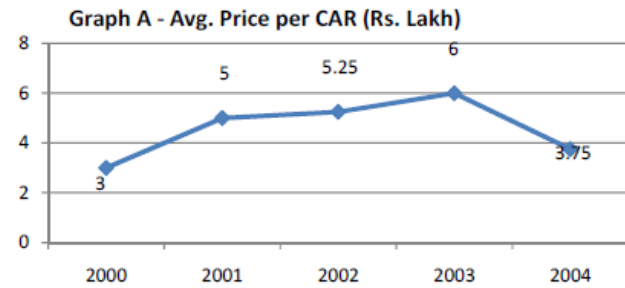
The maximum percentage change with respect to previous year in the average price per car of PAL is

- A) 42.2%   B) 66.7%   C) 37.5%   D) 25.5%

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 78**

The graphs are related to M/s PAL, a reputed automobile company in Asia. Graph A indicates the average price per car in Rs. Lacs. Graph B represents the production in units of thousands. Graph C depicts the growth rate of the entire car industry on volume basis.



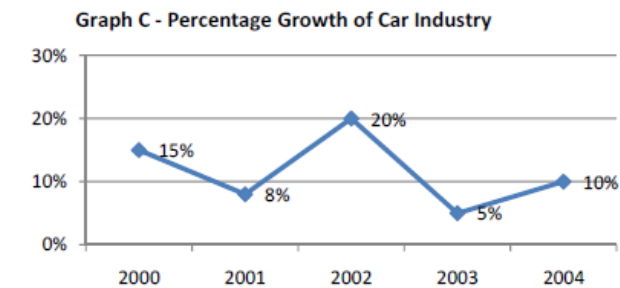
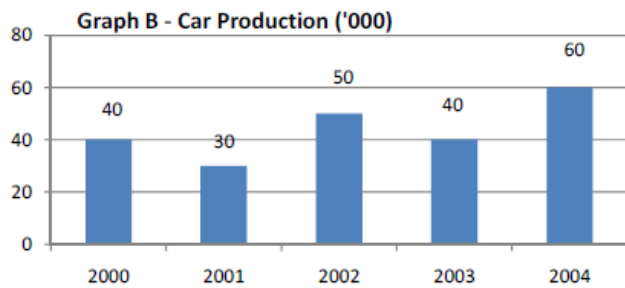
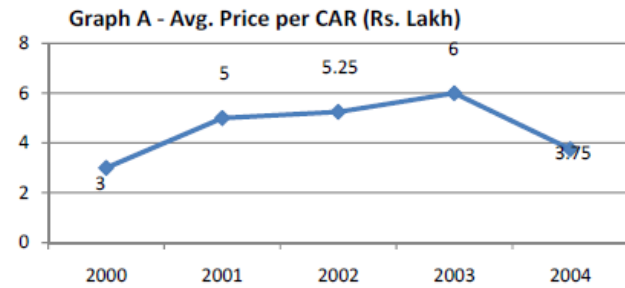
What is the percentage share of PAL in 2002, if the total production of car industry is 3 lacs in that year?

- A) 16.7%   B) 25%   C) 50%   D) 33.3%

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 79**

The graphs are related to M/s PAL, a reputed automobile company in Asia. Graph A indicates the average price per car in Rs. Lacs. Graph B represents the production in units of thousands. Graph C depicts the growth rate of the entire car industry on volume basis.



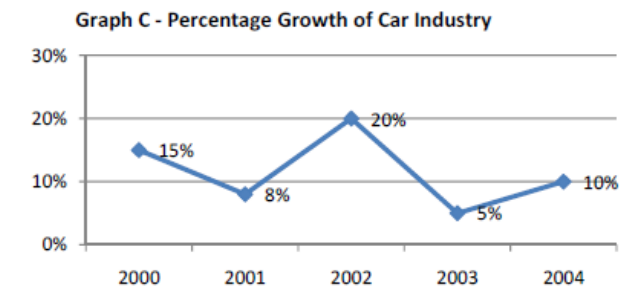
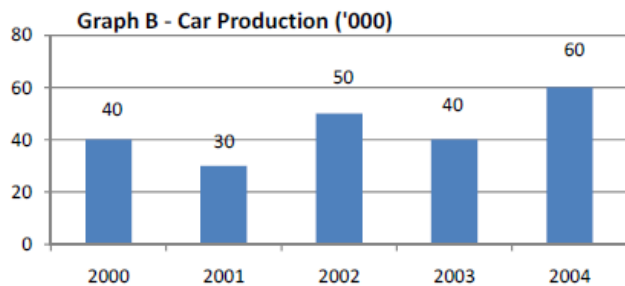
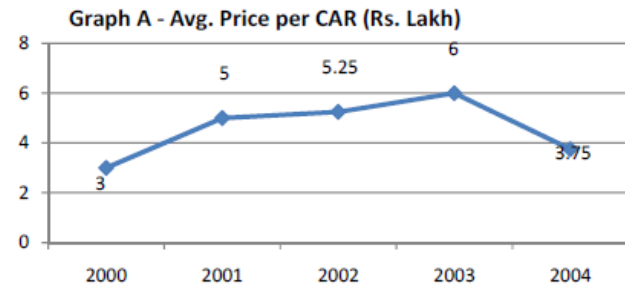
If only 80% of PAL cars produced in 2001 were sold in that year and the rest were sold in the next year, what is the revenue of the company in 2001 assuming that the inventory at the beginning of 2001 is zero?

- A) Rs. 750 Cr    B) Rs. 1080 Cr    C) Rs. 7500 Cr    D) Rs. 1200 Cr

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

**Question No. : 80**

The graphs are related to M/s PAL, a reputed automobile company in Asia. Graph A indicates the average price per car in Rs. Lacs. Graph B represents the production in units of thousands. Graph C depicts the growth rate of the entire car industry on volume basis.



If there is rejection of 10% of the production in 2000 due to quality control issues, what is the turnover of PAL, assuming sales = production – rejection?

- A) Rs. 720 Cr    B) Rs. 986 Cr    C) Rs. 1080 Cr    D) Rs. 850 Cr

## Section : Quant

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

### Question No. : 81

A cylindrical container of height 14 m and base diameter 12 m contains oil. This oil is to be transferred to one cylindrical can, one conical can and a spherical can. The base radius of all four containers is the same. The height of the conical can is 6 m. While pouring some oil is dropped and hence only  $\frac{3}{4}$ th of the cylindrical can could be filled. How much oil is dropped?

- A)  $54 \pi \text{ m}^3$     B)  $36 \pi \text{ m}^3$     C)  $46 \pi \text{ m}^3$     D)  $50 \pi \text{ m}^3$

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

### Question No. : 82

The length of a rectangle is increased to  $\frac{3}{2}$  times of its length and breadth is reduced to  $\frac{1}{3}$ rd of its breadth. What is the change in area?



A)  $\frac{1}{3}$    B)  $\frac{1}{4}$    C)  $\frac{1}{2}$    D) No change

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 83**

The ratio of the volume of a cube to that of the sphere which can fit inside the cube is

A) 3 : 4   B) 21 : 11   C) 11 : 21   D) 4 : 3

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 84**

A hollow cone is cut by a plane parallel to the base and the upper portion is removed. If the curved surface area of the remainder is  $\frac{8}{9}$ th of the curved surface of the whole cone, the ratio of the line segments into which the cone's altitude is divided by the plane is given by

A) 2 : 3   B) 1 : 3   C) 1 : 2   D) 1 : 4

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 85**

A circular swimming pool with a diameter of 28 feet has a deck of uniform width built around it. If the area of the deck is  $60\pi$  square feet, find its width.

A) 3 feet   B) 2.8 feet   C) 2 feet   D) 2.5 feet

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 86**

A toy is in the shape of a hemisphere surmounted by a cone. If radius of base of the cone is 3 cm and its height is 4 cm, the total surface area of the toy is

A)  $33\pi \text{ cm}^2$    B)  $42\pi \text{ cm}^2$    C)  $66\pi \text{ cm}^2$    D)  $56\pi \text{ cm}^2$

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 87**

A person invested some amount at the rate of 12 % simple interest and a certain amount at the rate of 10 % simple interest. He received yearly interest of Rs. 130. But if he had interchanged the amounts invested, he would have received Rs. 4 more as interest. How much did he invest at 12 % simple interest?

A) Rs. 700   B) Rs. 500   C) Rs. 800   D) Rs. 400

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 88**

The effective annual rate of interest corresponding to a nominal rate of 8 % per annum compounded payable half yearly is

A) 8 %   B) 8.01 %   C) 8.13 %   D) 8.16 %

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 89**

A sum was put at simple interest at a certain rate for 3 years. Had it been put at 1% higher rate, it would have fetched Rs. 5,100 more. The sum is

A) Rs. 1,70,000   B) Rs. 1,50,000   C) Rs. 1,25,000   D) Rs. 1,20,000

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 90**

Prem invested a certain sum of money in a simple interest bond whose value grew to Rs. 300 at the end of 3 years and to Rs. 400 at the end of another 5 years. What was the rate of interest in which he invested his sum?

A) 12 %   B) 12.5 %   C) 6.67 %   D) 8.33 %

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 91**

The population of a colony was 3600 three years back. It is 4800 right now. What will be the population three years down the line, if the rate of growth of population has been constant over the years and has been compounding annually?

A) 6,000   B) 6,400   C) 7,200   D) 9,600

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 92**

Rs. 5,887 is divided between Shyam and Ram, such that Shyam's share at the end of 9 years is equal to Ram's share at the end of 11 years, compounded annually at the rate of 5%. The share of Shyam is

A) Rs. 2,088   B) Rs. 2,000   C) Rs. 3,087   D) None of these

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 93**

An aeroplane when 3000 m high passes vertically above another aeroplane at an instant when the angles of elevation of the two aeroplanes from the same point on the ground are  $60^\circ$  and  $45^\circ$  respectively. The vertical distance between the two aeroplanes is

A) 1268 m   B) 1500 m   C) 3000 m   D) 1200 m

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 94**

An aeroplane flying horizontally 1 km above the ground is observed at an elevation of  $60^\circ$ . If after 10 seconds, the elevation be  $30^\circ$ , the uniform speed of the aeroplane is

A)  $240\sqrt{3}$  km/hr   B)  $240/\sqrt{3}$  km/hr   C)  $120/\sqrt{3}$  km/hr   D)  $120\sqrt{3}$  km/hr

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 95**

From the top of a cliff 25 m high the angle of elevation of a tower is found to be equal to the angle of depression of the foot of the tower. The height of the tower is

A) 25 m   B) 50 m   C) 75 m   D) 100 m

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 96**

Two times a two-digit number is 9 times the number obtained by reversing the digits and sum of the digits is 9. The number is

A) 72   B) 54   C) 63   D) 81

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 97**

The students present in an auditorium are asked to stand in rows. It was found that if there were 4 students extra in a row there would be 4 less rows. However, if 2 students were less in a row, there would be 4 more rows. The number of students present in the auditorium is

- A) 80    B) 96    C) 100    D) 128

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 98**

One fourth of Nikhil's money is equal to one-sixth of Yogesh's money. If both together have Rs. 600, what is the difference between their amounts?

- A) Rs. 160    B) Rs. 240    C) Rs. 200    D) Rs. 120

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 99**

If 5 students utilize 18 pencils in 9 days, how long at the same rate will 66 pencils last for 15 students?

- A) 10 days    B) 12 days    C) 11 days    D) None of these

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 100**

A money lender lent out Rs. 25,000 in two parts, one at 8 % and the other at 9 %. If the total annual income on the amount is Rs. 2,187.50, the money lent at 8 % is

- A) Rs. 12,500    B) Rs. 6,250    C) Rs. 10,000    D) Rs. 18,750

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 101**

A person spends 40 % of his salary on his educational expenses. He spends 60 % of the money spend on educational expenses in purchasing books and one half of the remaining in purchasing stationery items. If he saves Rs. 160 every month, which is one-fourth of the balance after spending over books and stationery items, what is his monthly salary?

- A) Rs. 8,000    B) Rs. 4,800    C) Rs. 9,600    D) Data inadequate

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 102**

In measuring the sides of a rectangular plot, one side is taken 5 % in excess and the other 6 % in deficit. The error percent in area calculated, of the plot, is

- A) 1 %    B) 1.3 %    C) 1.5 %    D) 3 %

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 103**

The average sale of a car dealership was 15 cars per week. After a promotional scheme the average sale increased to 21 cars per week. The percentage increase in the sale of cars was

- A) 40 %    B) 140 %    C) 42 %    D) 39.33 %

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 104**

The number of triangles formed by the 11 points, out of which 5 are collinear in a plane is

- A) 165   B) 150   C) 155   D) None of these
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 105**

A man has 5 friends and his wife has 4 friends. They want to invite one or more of their friends each, to a party. In how many ways can they do so?

- A) 9   B) 18   C) 31   D) 46
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 106**

Out of 80 students in a class, 25 are studying commerce, 15 mathematics and 13 physics. 3 are studying commerce and mathematics, 4 are studying mathematics and physics and 2 are studying commerce and physics. 1 student is studying all the three subjects together. How many students are not studying any of the three subjects?

- A) 35   B) 40   C) 20   D) 15
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 107**

Three pipes A, B and C can fill a tank in 20 minutes, 10 minutes and 30 minutes respectively. When the tank is empty, all the three pipes are opened. A, B, C discharge chemical solutions 'X', 'Y', 'Z' respectively. The proportion of solution 'Y' in the liquid in the tank after 3 minutes is

- A)  $\frac{6}{11}$    B)  $\frac{7}{11}$    C)  $\frac{8}{11}$    D)  $\frac{5}{11}$
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 108**

Three taps A, B and C can fill a tank in 12, 15 and 20 hours respectively. If A is open all the time and B and C are open for one hour each alternately, the tank will be filled in

- A) 6 hours   B) 7 hours   C) 5 hours   D) None of these
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 109**

Namrata wants to visit four cities A, B, C and D on an official trip. The probability that she visits A just before B is

- A)  $\frac{1}{2}$    B)  $\frac{1}{12}$    C)  $\frac{1}{6}$    D)  $\frac{1}{4}$
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 110**

A lot of 12 bulbs contains 4 defective bulbs. Three bulbs are drawn at random from the lot, one after the other. The probability that all three are non-defective is

- A)  $\frac{14}{55}$    B)  $\frac{8}{12}$    C)  $\frac{1}{27}$    D) None of these
-

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 111**

A plane left 30 minutes later than its scheduled time to reach its destination 1500 km away. In order to reach in time it increases its speed by 250 km/hr. What is its original speed?

- A) 1000 km/hr   B) 750 km/hr   C) 600 km/hr   D) 800 km/hr

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 112**

A person on tour has Rs. 360 for his daily expenses. He decides to extend his tour programme by 4 days which leads to cutting down daily expenses by Rs. 3 a day. The number of days of his tour programme is

- A) 15   B) 20   C) 18   D) 16

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 113**

Shyam's rich uncle gave him Rs. 100 on his first birthday. On each birthday after that he doubled his previous gift. By the day after Shyam's eighth birthday, what was the total amount that his uncle had given him?

- A) Rs. 25,500   B) Rs. 25,400   C) Rs. 25,450   D) Rs. 25,600

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 114**

A man ordered 4 pairs of black socks and some pairs of brown socks. The price of a black pair is double that of a brown pair. While preparing the bill, the clerk did a mistake and interchanged the number of black and brown pairs. This increased the bill by 50 %. The ratio of the number of black and brown pairs of socks in the original order was

- A) 4 : 1   B) 2 : 1   C) 1 : 4   D) 1 : 2

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 115**

Three friends Anita, Bindu and Champa divide Rs. 1,105 amongst them in such a way that if Rs. 10, Rs. 20 and Rs. 15 are removed from the sums that Anita, Bindu and Champa received respectively, then the share of the sums that they got will be in the ratio of 11 : 18 : 24. How much did Champa receive?

- A) Rs. 495   B) Rs. 510   C) Rs. 480   D) Rs. 375

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 116**

I have to reach a certain place at a certain time and I find that I shall be 15 minutes too late, if I walk at 4 km an hour, and 10 minutes too soon, if I walk at 6 km an hour. How far have I to walk?

- A) 25 km   B) 5 km   C) 10 km   D) None of these

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 117**

A train travels a distance of 300 km at a constant speed. If the speed of the train is increased by 5 km an hour the journey would have taken 2 hours less. The original speed of the train was

A) 25 km/hr   B) 20 km/hr   C) 28 km/hr   D) 30 km/hr

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 118**

Sudhir invested Rs. 16,000 in a scheme which earned him simple interest @15 p.c.p.a. After two years he withdrew the principal amount plus interest and invested the entire amount in another scheme for two years, which earned him compound interest @ 12 p.c.p.a. What would be the total interest earned by Sudhir at the end of 4 year?

A) Rs. 9,792   B) Rs. 10,152.11   C) Rs. 9,012.14   D) None of these

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 119**

Mansi started a business investing Rs.42,000/-. After 7 months Kamya joined her with a capital of Rs. 50,000/-. At the end of the year the total profit was Rs. 30,160/-. What is the share of profit of Kamya?

A) Rs. 10,000/-   B) Rs. 20,160/-   C) Rs. 10,160/-   D) Rs. 8,000/-

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 120**

A trader owes a merchant Rs. 10,028 due 1 year hence. The trader wants to settle the account after 3 months. If the rate of interest is 12% per annum, how much cash should he pay?

A) Rs. 9,025   B) Rs. 9,220   C) Rs. 9,600   D) Rs. 9,560

**Section : Reasoning**

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 121**

Ramakrishna said, "This girl is the wife of the grandson of my mother". How is Ramakrishna related to the girl?

A) Father   B) Father-in-law   C) Grandfather   D) Daughter-in-law

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 122**

Showing a photograph to a friend, Ravi says, "She is the grand-daughter of the elder brother of my father". How is this girl related to Ravi?

A) Niece   B) Sister   C) Aunt   D) Sister-in-law

**DIRECTIONS for the question:** In the question given below, there are two statements labeled as Assertion (A) and Reason (R). Mark your answer as:

**Question No. : 123**

Assertion (A): India should not enter into a 'No-War-Pact' with Pakistan.

Reason (R): Because Pakistan's intentions are not clear.

A) if both A and R are true and R is the correct explanation of A.

B) both A and R are true but R is not the correct explanation of A.   C) if A is true but R is false.   D) if A is false but R is true.

**DIRECTIONS for the question:** In the question given below, there are two statements labeled as Assertion (A) and Reason (R). Mark your answer as:

**Question No. : 124**

**Assertion (A):** India should adopt presidential type of government.

**Reason (R):** Yes, it will bring political order in the country.

A) if both A and R are true and R is the correct explanation of A.

B) both A and R are true but R is not the correct explanation of A. C) if A is true but R is false. D) if A is false but R is true.

---

**DIRECTIONS for the question:** In the question given below, there are two statements labeled as Assertion (A) and Reason (R). Mark your answer as:

**Question No. : 125**

**Assertion (A):** States of India should be given more autonomy / freedom.

**Reason (R):** No, because it will encourage separatist tendencies.

A) if both A and R are true and R is the correct explanation of A.

B) both A and R are true but R is not the correct explanation of A. C) if A is true but R is false. D) if A is false but R is true.

**DIRECTIONS for the question:** In the question given below, there are two statements labeled as Assertion (A) and Reason (R). Mark your answer as:

**Question No. : 126**

**Assertion (A):** Divorce laws should be made more favourable to women in India.

**Reason (R):** No, it will disrupt the family life, as more women will seek divorce.

A) if both A and R are true and R is the correct explanation of A.

B) both A and R are true but R is not the correct explanation of A. C) if A is true but R is false. D) if A is false but R is true.

---

**DIRECTIONS for the question:** In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Mark your answer as

**Question No. : 127**

**Statement:** Love marriages generally end in divorce. So, the children are brought up by one parent. Therefore, the practice of love marriages should be abandoned.

Assumption I - Arranged marriages are better than love marriages.

Assumption II- It is undesirable to have a child brought up by one parent.

A) if the assumption I is implicit; B) if only assumption II is implicit; C) if both I and II are implicit

D) if neither I nor II is implicit

**DIRECTIONS for the question:** In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Mark your answer as

**Question No. : 128**

**Statement:** Properly fed monkeys and starved monkeys were made to run through a network of paths designed as a puzzle. It was observed that the starved monkeys could not run faster. This proved that the people with lower intelligence in poor countries are a victim of malnutrition.

I. The effects of nutrition on the intelligence of the monkeys is parallel to those on human beings.

II. Captive monkeys are more intelligent than wild monkeys.

A) if the assumption I is implicit; B) if only assumption II is implicit; C) if both I and II are implicit

D) if neither I nor II is implicit

---

**DIRECTIONS for the question:** In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Mark your answer as

**Question No. : 129**

**Statement:** People in Pratapgarh are not paying their telephone bills in time in spite of the various verbal warnings and reminders. It has now informed the subscribers through a notification that those who do not pay their bills by the due date will be charged penalty for every defaulting day.

- I. Majority of people may pay their bills by the due date to avoid penalty
- II. People generally pay heed to such statutory notifications.

- A) if the assumption I is implicit;    B) if only assumption II is implicit;    C) if both I and II are implicit  
D) if neither I nor II is implicit

**DIRECTIONS for the question:** In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Mark your answer as

**Question No. : 130**

**Statement:** The civic authorities have decided that all the factories located inside the city in the populated areas be shifted outside at the allocated place to reduce the level of environmental pollution in the city to safeguard the health of people living there.

- I. The pollution level in the city in future shall certainly reduce after these factories are shifted outside the city limit and hence people will enjoy a better health.
- II. Enough usable land is available outside the city limit for these factories.

- A) if the assumption I is implicit;    B) if only assumption II is implicit;    C) if both I and II are implicit  
D) if neither I nor II is implicit

**DIRECTIONS for the question:** In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Mark your answer as

**Question No. : 131**

**Statement:** Company 'A' has intimated all its present suppliers that tender specifications will not be issued to the firms where there is 25% or more default in supplies against the earlier purchase orders placed on them.

- I. The company 'A' will be watching the quality of performance of its suppliers.
- II. The company 'A' expects quality and professional approach from its suppliers.

- A) if the assumption I is implicit;    B) if only assumption II is implicit;    C) if both I and II are implicit  
D) if neither I nor II is implicit

**DIRECTIONS for the question:** What should come in place of question mark (?) in the following number/alphabetic series?

**Question No. : 132**

		1		
		7		
6	5	?	1	3
		8		
		5		

Two figures given on top of the ? is related to two figures given at the bottom of the ? in a particular manner. Similarly, two figures on the right of ? is related to two figures on the left of ?. So find the value of ? in the above diagram.

- A) 7    B) 9    C) 3    D) 5

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 133**

Simplify and find the value of 'A' in the equation given below:

$$2 + 7 \times 16 - (8 - 7) - (9 / 3) = A$$

- A) 116    B) 150    C) 110    D) 220



**DIRECTIONS for the question:** What should come in place of question mark (?) in the following number/alphabetic series?

**Question No. : 134**

Complete the series 162, 54, 18, 6,? by replacing the question mark '?'.

- A) 2   B) 3   C) 4   D) 5
- 

**DIRECTIONS for the question:** What should come in place of question mark (?) in the following number/alphabetic series?

**Question No. : 135**

Compare both the boxes below. Which number can replace the question mark (?) in the box shown below?

6	1	5
2	1	1
4	2	2

?	3	2
7	1	6
8	3	5

- A) 5   B) 4   C) 6   D) 7
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 136**

In a coded writing, "come at once father very ill" is written as "XLNV ZG LMXV UYGSVI EVIB ROO". What is the corresponding code for "mother"?

- A) NOGSVI   B) NOTSVI   C) NLGSVI   D) NLGSTI
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 137**

If 'CONSTABLE' is coded as 91, what will be the code number for 'STABLE'?

- A) 97   B) 59   C) 79   D) 75
- 

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 138**

Ages are to be computed in whole numbers only and no two persons are of the same age. Mahesh is a year older than Vikas. Vikas is two years older than Jagan. Jagan is a year younger than Suresh. Suresh is two years younger than Mahesh. Akmal is two years younger than Jagan. Which of the following is in the order' from the oldest to the youngest?

- A) Mahesh, Vikas, Jagan, Suresh, Akmal   B) Mahesh, Vikas, Suresh, Akmal, Jagan   C) Mahesh, Vikas, Suresh, Jagan, Akmal  
D) Mahesh, Jagan, Vikas, Akmal, Suresh
- 

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 139**

A cube has six sides each of a different colour. The red side is opposite black. The green side is between red and black. The blue side is adjacent to white and the brown side is adjacent to blue. The red side is face down. The side opposite brown is

- A) red   B) black   C) white   D) green
- 

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 140**

A person goes 20 metres towards South, then turns left and goes 20 metres and another 20 metres to the left and then 60 metres to the right. In which direction is he going now?

A) North B) South C) East D) West

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 141**

A man was walking with his face towards East. He walked 30 metres and then turned to his right by another 30 metres. He again turned towards his right by 60 metres. He now turned back by 90 metres. Which direction was he facing now?

A) North B) South C) East D) West

**DIRECTIONS for the question:** What should come in place of question mark (?) in the following number/alphabetic series?

**Question No. : 142**

5G7 7H10 10I14 14J19 ?

A) 16K20 B) 17K21 C) 18K21 D) 19K25

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 143**

J15K M21N \_\_\_\_\_ S39T V51W

A) N24P B) P27Q C) P29Q D) P34Q

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 144**

D23F H19J L17N \_\_\_\_\_ T11V

A) P15R B) P14R C) P13R D) P12R

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 145**

A70C E65G I60K \_\_\_\_\_ Q50S

A) N55M B) L55N C) M55O D) L55M

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 146**

Out of a total of 120 musicians in a club, 5% can play all the three instruments – guitar, violin and flute. It so happens that the number of musicians who can play any two and only two of the above instruments is 30. The number of musicians who can play the guitar alone is 40. What is the total number of those who can play violin alone or flute alone?

A) 30 B) 38 C) 44 D) 45

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 147**

There are 50 students admitted to a nursery class. Some students can speak only English and some can speak only Hindi. Ten students can speak both English and Hindi. If the number of students who can speak English is 21, then how many students can speak Hindi, how many can speak only Hindi and how many can speak only English respectively?

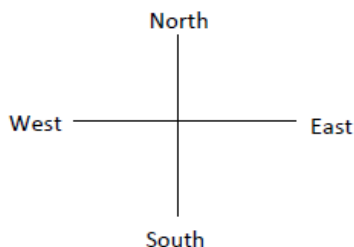
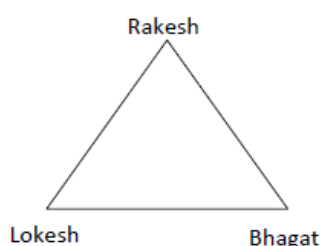
A) 39, 29 and 11 B) 37, 27 and 13 C) 28, 18 and 22 D) 21, 11 and 29

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 148**

From the given equilateral triangle below, Rakesh, Lokesh and Bhagat run along the sides in clockwise direction and stop after covering  $1\frac{1}{2}$  sides. Which of the following statements is true?



- A) Lokesh is to the west of Bhagat    B) Rakesh is to the south-west of Lokesh    C) Lokesh is to the north-west of Rakesh  
D) Bhagat is to the north-east of Rakesh

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 149**

Village A is 20 kilometres to the north of Village B. Village C is 18 kilometres to the east of Village B, Village D is 12 kilometres to the west of Village A. If Raj Gopal starts from Village C and goes to Village D, in which direction is he from his starting point?

- A) North-East    B) North-West    C) South-East    D) North

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 150**

In the following number sequence how many such even numbers are there which are exactly divisible by its immediate preceding number but not exactly divisible by its immediate following number?

3 8 4 1 5 7 2 8 3 4 8 9 3 9 4 2 1 5 8 2

- A) Two    B) Three    C) Four    D) More than four

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 151**

A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is a doctor. E is an engineer married to one of the brothers and has two children. B is married to D and G is their child. Who is C?

A) G's father   B) F's father   C) F's daughter   D) A's son

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 152**

A worker may claim Rs. 15 for each km which he travels by taxi and Rs. 5 for each km which he drives his own car. If in one week he claimed Rs. 500 for travelling 80 km, how many kms did he travel by taxi?

A) 10   B) 20   C) 30   D) 80

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 153**

The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class

A) 48   B) 44   C) 42   D) 40

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 154**

Ravi has Rs. 3 more than Ramu, but then Ramu wins on the horses and triples his money, so that he now has Rs. 2 more than the original amount of money that the two boys had between them. How much money did Ravi and Ramu have between them before Ramu's win?

A) Rs. 9   B) Rs. 11   C) Rs. 13   D) Rs. 15

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 155**

A man has a certain number of small boxes to pack into parcels. If he packs 3, 4, 5 or 6 in a parcel, he is left with one over; if he packs 7 in a parcel, none is left over. What is the number of boxes he may have to pack?

A) 106   B) 301   C) 309   D) 400

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 156**

If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

A) Sunday   B) Monday   C) Wednesday   D) Friday

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 157**

The lane that I live on has parking as per the P1/P2 pattern, which means that my car has to be parked on one side of the road on odd days and on the other side of the road on even days. I usually take my motorcycle to work and hence the car remains parked out on the road for the day. Every morning, the first thing I do is to change the position of the car so as to meet the P1/P2 norms. However, I look forward to some mornings when I can relax and not bother about changing the position of the car. In an average non-leap year, how many days of relaxation do I get?

A) 0   B) 6   C) 7   D) 8

**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

**Question No. : 158**

- I.  $P \times Q$  means P is the brother of Q.  
II.  $P + Q$  means P is the father of Q.  
III.  $P - Q$  means P is the sister of Q.

Which of the following represents 'X' is the uncle of 'M'?

- A)  $X + Y - M$    B)  $X \times Y + M$    C)  $X + Y \times M$    D) None of these

---

**DIRECTIONS for the question:** Solve the following question and mark the most appropriate option.

**Question No. : 159**

- (i) Bengalis and Tamils are politicians, poets and warriors.  
(ii) Tamils and Punjabis are politicians, warriors and mathematicians.  
(iii) Punjabis and Gujaratis are politicians, businessmen and mathematicians.  
(iv) Gujaratis and Kashmiris are businessmen, poets and mathematicians.  
(v) Bengalis and Kashmiris are businessmen, poets and warriors.

Name the people who are politicians, businessmen, poets and mathematicians.

- A) Bengalis   B) Tamils   C) Punjabis   D) Gujaratis

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 160**

- (i) Six friends A, B, C, D, E and F are seated in a circle facing each other,  
(ii) A is between D and B and F is between C and E.  
(iii) C is the third to the left of B.

Which of the following is the position of A in relation to F?

- A) Second to the left   B) Second to the right   C) Fourth to the right   D) Third to the right

---

**Section : Verbal**

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 161**

In a convention hall filled with auto executives who wish they could wake up to find that 2009 was just a bad dream, David Zuchowski and his colleagues at Hyundai were doing low-key victory laps. But while they plan in 2010 to pick up where they left off, they also tempered expectations that the U.S. sales gains achieved by the Korean automaker can be repeated. "We will not have the same margin of difference that we did last year," David Zuchowski said at the Detroit auto show. "Our sales were up 8 percent in a market that was down 21 percent. There are a lot of things that happened with our competition, with our marketing, that really put us in a different area. We think for sure that we're going to grow our volume this year and we're going to grow our market share," he added. "If nothing else changes, and we held our 4.2 percent market share into 2010, we think that in itself accounts for 45,000 units of additional volume. And we think we're going to grow our share on top of that because we have some really terrific new products."

John Krafcik, CEO of Hyundai's American sales operations, said the first goal is to hold onto the market share gains of 2009. Last year, Hyundai's U.S. sales rose 8.3 percent to 435,064 units. Its share of the market jumped to 4.2 percent from 3 percent in 2008. Hyundai expects U.S. sales this year to hit 11.4 million, maybe even 11.5 million units. U.S. sales fell 21.2 percent last year to 10.4 million units. As U.S. automakers in early 2009 were concerned about their own survival, "Hyundai Assurance" was introduced as a safety net for consumers afraid of losing their jobs. Just shy of 100 customers returned cars under a program allowing buyers to walk away from loans without a negative mark on credit reports if they lost their jobs. The program has been extended through 2010.

"It elevated our brand," Zuchowski said of the Hyundai Assurance program. "People who never used to consider us now are." Car salesmen watch this "consideration rate," which is as it sounds – whether a consumer will consider a brand when making a purchase decision.

According to the passage Hyundai will be successful in America due to the fact that

- I. consideration rate has increased manifold.
- II. the aim of Hyundai is to retain the market share of previous year.
- III. continue Hyundai Assurance through 2010.

A) I, II and III    B) I and III    C) I and II    D) II and III

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 162**

In a convention hall filled with auto executives who wish they could wake up to find that 2009 was just a bad dream, David Zuchowski and his colleagues at Hyundai were doing low-key victory laps. But while they plan in 2010 to pick up where they left off, they also tempered expectations that the U.S. sales gains achieved by the Korean automaker can be repeated. "We will not have the same margin of difference that we did last year," David Zuchowski said at the Detroit auto show. "Our sales were up 8 percent in a market that was down 21 percent. There are a lot of things that happened with our competition, with our marketing, that really put us in a different area. We think for sure that we're going to grow our volume this year and we're going to grow our market share," he added. "If nothing else changes, and we held our 4.2 percent market share into 2010, we think that in itself accounts for 45,000 units of additional volume. And we think we're going to grow our share on top of that because we have some really terrific new products."

John Krafcik, CEO of Hyundai's American sales operations, said the first goal is to hold onto the market share gains of 2009. Last year, Hyundai's U.S. sales rose 8.3 percent to 435,064 units. Its share of the market jumped to 4.2 percent from 3 percent in 2008. Hyundai expects U.S. sales this year to hit 11.4 million, maybe even 11.5 million units. U.S. sales fell 21.2 percent last year to 10.4 million units. As U.S. automakers in early 2009 were concerned about their own survival, "Hyundai Assurance" was introduced as a safety net for consumers afraid of losing their jobs. Just shy of 100 customers returned cars under a program allowing buyers to walk away from loans without a negative mark on credit reports if they lost their jobs. The program has been extended through 2010.

"It elevated our brand," Zuchowski said of the Hyundai Assurance program. "People who never used to consider us now are." Car salesmen watch this "consideration rate," which is as it sounds – whether a consumer will consider a brand when making a purchase decision.

It can be inferred from the passage that

- A) Hyundai is unable to sell their cars in American market.
- B) Hyundai is optimistic of increasing their sales this year in America.
- C) Car sales are going to plummet in America through 2010.
- D) Both David Zuchowski and John Krafcik are at loggerheads.

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 163**

In a convention hall filled with auto executives who wish they could wake up to find that 2009 was just a bad dream, David Zuchowski and his colleagues at Hyundai were doing low-key victory laps. But while they plan in 2010 to pick up where they left off, they also tempered expectations that the U.S. sales gains achieved by the Korean automaker can be repeated. "We will not have the same margin of difference that we did last year," David Zuchowski said at the Detroit auto show. "Our sales were up 8 percent in a market that was down 21 percent. There are a lot of things that happened with our competition, with our marketing, that really put us in a different area. We think for sure that we're going to grow our volume this year and we're going to grow our market share," he added. "If nothing else changes, and we held our 4.2 percent market share into 2010, we think that in itself accounts for 45,000 units of additional volume. And we think we're going to grow our share on top of that because we have some really terrific new products."

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salesmen watch this "consideration rate," which is as it sounds – whether a consumer will consider a brand when making a purchase decision.

According to the passage, subjects that are discussed include

- A) recession in the world economy    B) the views of American car manufacturers    C) the health of American economy  
D) Hyundai's extraordinary performance and its future plans in America

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 164**

In a convention hall filled with auto executives who wish they could wake up to find that 2009 was just a bad dream, David Zuchowski and his colleagues at Hyundai were doing low-key victory laps. But while they plan in 2010 to pick up where they left off, they also tempered expectations that the U.S. sales gains achieved by the Korean automaker can be repeated. "We will not have the same margin of difference that we did last year," David Zuchowski said at the Detroit auto show. "Our sales were up 8 percent in a market that was down 21 percent. There are a lot of things that happened with our competition, with our marketing, that really put us in a different area. We think for sure that we're going to grow our volume this year and we're going to grow our market share," he added. "If nothing else changes, and we held our 4.2 percent market share into 2010, we think that in itself accounts for 45,000 units of additional volume. And we think we're going to grow our share on top of that because we have some really terrific new products."

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"It elevated our brand," Zuchowski said of the Hyundai Assurance program. "People who never used to consider us now are." Car salesmen watch this "consideration rate," which is as it sounds – whether a consumer will consider a brand when making a purchase decision.

Which of the following inferences is false according to the passage?

- A) Hyundai is hoping to get more market share or at least maintain the last year's sales.  
B) America stopped buying cars from South Korea.    C) America has still not reached its peak in car sales.  
D) America has taken a conscious decision to buy more cars.

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 165**

The latest CSO data on economic growth in the States has thrown up a number of interesting trends, none perhaps more interesting than the catch-up trend shown by what were conventionally viewed as backward states – Bihar's 11% growth has already received much attention. A disaggregated look at the growth figures reveals an even more interesting fact – the huge role played by services in propelling growth in backward states. Bihar's 11% average growth figure between FY05 and FY09 (up from 6% between FY01 and FY05) hides the massive 38.13% growth in construction (up from 14% between FY01 and FY05), 17.34% growth in communication (up from 10% between FY01 and FY05), 17.33% in restaurants and hotels (up from 13% between FY01 and FY05), all major services sectors, in the same period. The boom in construction, telephones (particularly mobiles) and hospitality is mirrored in other previously slow growing states, including Jharkhand, Madhya Pradesh and Orissa. What is even more important than the growth numbers themselves is the large number of jobs (particularly low-skill and semi-skilled) that have been generated in the services sector industry. At a time when inclusive growth is the focus of government policy, such employment generating growth must be satisfying.

Impressive though the numbers are, it is easy to get carried away by them. The fact of the matter is that services can only create a certain number of jobs and certainly not enough over a sustained period of time to absorb the entire workforce. Construction, for example, may eventually be limited by weak demand. The growth in communications was very impressive in these last five years because of the mobile boom, but that might plateau. Significantly, the numbers on agriculture growth remain very low and a significant proportion of India's population still depends on agriculture. Not all the excess labour from agriculture – which needs to move out to lift productivity – will be absorbed by services. So, industry/manufacturing will still be the key to ensure the kind of inclusive growth we need to boost backward states and to lift people out of poverty. But manufacturing needs radical policy attention in a way that services do not, to register rapid growth. The government, at the Centre and in States, needs to focus on labour laws, land acquisition and infrastructure. The strong growth in services, while welcome, should not become a reason to do

nothing about promoting manufacturing and reforming agriculture. Healthy growth in those two sectors is needed to generate the demand that will eventually sustain services on a high growth path.

According to the passage, growth is possible in the economy if

- I. communications sector growth is static
  - II. agricultural reforms are carried out
  - III. manufacturing is promoted
- A) I, II and III    B) I and III    C) I and II    D) II and III

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 166**

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It can be inferred from the passage that

- A) services sector growth is possible only if mobile industry is promoted.
- B) services sector growth is possible only if manufacturing and agricultural reforms are promoted.
- C) services sector growth is possible only if growth in communications sector has plateaued.
- D) services sector growth is possible only if construction is promoted.

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 167**

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Which one of the following subjects is discussed in the passage?

- A) Growth factor in Orissa    B) Importance of growth in Madhya Pradesh    C) Poverty in Jharkhand  
D) Importance of agriculture and manufacturing for growth

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 168**

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Which of the following inferences is false as per the passage?

- A) Bihar has shown the maximum growth in the country.    B) Bihar has shown 38.13% growth in construction.  
C) Bihar has shown 17.33% growth in restaurants and hotels.  
D) Bihar has shown 11% average growth figure between FY05 and FY09.

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 169**

Having investigated the nature of the relationship between price and trading volume for 50 Indian stocks:

our findings indicate evidence of positive contemporaneous correlation between price changes and trading volume in Indian stock markets. All the stocks, except Reliance Power, show asymmetric behavior which is in line with the research findings. Investigation of dynamic relationship between returns and trading volume shows very interesting results. We find evidence that in the Indian market, past returns cause trading volume, which can be easily conceived in an emerging market where the state of development of the market possibly does not allow instantaneous information dissemination. These results are further supported by the variance decomposition. However, in most cases the relationship lacks economic significance even though it is statistically significant. The results of impulse response analysis indicate that both returns and volume are mostly affected by their own lag and that volume is more autoregressive than returns, that is, any shock in either returns or volume does not affect the return series beyond one lag. In case of unconditional volatility and trading volume, we find a positive contemporaneous relationship between trading volume and unconditional volatility.

According to the passage, the research findings show

- A. positive contemporaneous relationship between trading volume and volatility.
- B. reliance Power confirms the general trend.
- C. information is not disseminated instantaneously in the stock market.

A) A, B and C    B) A and C    C) A and B    D) B and C

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 170**

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It can be inferred from the passage that

- A) the trading volume does not depend on the past returns.
- B) the trading volume does not depend on the future returns in the service sector.
- C) the trading volume has no positive correlation with volatility.
- D) the trading volume depends on the variance decomposition.

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**DIRECTIONS for the question :** Read the passage and answer the question based on it.

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According to the passage, subjects that are not discussed:

- A) trends in returns vis-à-vis volatility.    B) stock market losses during recession.
- C) information dissemination being slow within the market.
- D) results of the research have more of statistical significance than economic.

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 172**

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According to the passage, which one of the following inferences is false?

- A) Any shock in either returns or volume does not affect the return series beyond one lag.
- B) In case of unconditional volatility and trading volume, there exists a positive contemporaneous relationship between trading volume and unconditional volatility.
- C) All the stocks show symmetric behaviour except reliance
- D) The state of development of the market possibly does not allow instantaneous information dissemination.

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**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 173**

What can the leader of a democratic country do when one quarter of its population presents a petition opposing repayment of foreign debt and backs it up with a mass protest outside his residence, with red torches firing up the snowy landscape? To stave off revolt and breakdown of order, the head of state has two options: repudiate the debt altogether to restore public faith in the government or buy time by resorting to constitutional technicalities.

Iceland's President, Olafur Grimsson, faced the sour choice on New Year's Eve in Reykjavik and picked the latter course because of tremendous parallel pressure from creditors like the UK and the Netherlands and capital markets. Instead of immediately signing the bill that would repaid London and Amsterdam \$5 billion or renouncing all liability, he announced a national referendum for a clear national verdict. The country's finance minister has expressed confidence that public opinion can be moulded fast in the run-up to the referendum, by appealing to the average Icelanders' identity of being 'honest hard-working people'

The two creditor nations, which are furious at the delays and setbacks to repayment, should be hoping for such an outcome because they themselves are cash-strapped and hurting from the aftermath of the financial crisis. The saga of Iceland's fall from the glorious perch of the Nordic Tiger into a supplicant that defaults on its debts is emblematic of the ripple effect of the financial collapse of late 2008. One of the first economies to fall into the red immediately after the Lehman Brothers bankruptcy, Iceland had risen since the mid-nineties on a wave of excessive leverage facilitated by state deregulation. All three of its big banks- Glitnir, Kaupthing and Landsbanki- collapsed like dominoes in a single week of mayhem in October 2008.

According to the passage, the state of affairs in Iceland is due to

- A. financial collapse of 2008.
- B. the creditor nations are in dire straits themselves.
- C. Iceland was one of the first economies to have fallen in 2008.

A) A, B and C    B) A and C    C) A and B    D) B and C

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 174**

What can the leader of a democratic country do when one quarter of its population presents a petition opposing repayment of foreign debt and backs it up with a mass protest outside his residence, with red torches firing up the snowy landscape? To stave off revolt and breakdown of order, the head of state has two options: repudiate the debt altogether to restore public faith in the government or buy time by resorting to constitutional technicalities.

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Glitnir, Kaupthing and Landsbanki-collapsed like dominoes in a single week of mayhem in October 2008.

It can be inferred from the passage that

- A) Iceland is a poor country    B) Iceland is trying to repay the loan to the creditor nations  
C) Lehman Brothers have not given enough loans to Iceland    D) The citizens of Iceland are not hard-working
- 

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 175**

What can the leader of a democratic country do when one quarter of its population presents a petition opposing repayment of foreign debt and backs it up with a mass protest outside his residence, with red torches firing up the snowy landscape? To stave off revolt and breakdown of order, the head of state has two options: repudiate the debt altogether to restore public faith in the government or buy time by resorting to constitutional technicalities.

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According to the passage, subjects that are not discussed include

- A) Recession in the world economy    B) Why Iceland is defaulting on repayment of its loans  
C) The revolt within the country for immediate repayment of loan to creditors  
D) UK and Netherlands have not agreed to sanction additional loans

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 176**

What can the leader of a democratic country do when one quarter of its population presents a petition opposing repayment of foreign debt and backs it up with a mass protest outside his residence, with red torches firing up the snowy landscape? To stave off revolt and breakdown of order, the head of state has two options: repudiate the debt altogether to restore public faith in the government or buy time by resorting to constitutional technicalities.

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According to the passage, which one of the following inferences is **not** true?

- A) Icelanders have actually revolted    B) The creditor nations were not happy at the defaults by Iceland  
C) The three major banks of Iceland - Glitnir, Kaupthing and Landsbanki – have collapsed  
D) Iceland's President, Ólafur Grímsson resorted to delaying tactics
- 

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 177**

Buoyed by the strong demand from the automobile, infrastructure, consumer durables, and capital goods industries, the price of steel and profitability of steel firms are firming up. In addition to private demand, the government's stimulus packages have also helped. Analysts expect the margins of steel companies to expand by 500 basis points in the quarter ending December last year, because of the rally in the base metal prices. Crude steel production in the quarter ended December last year grew 2.6 % and prices increased by 2 % in the same period. Broadly, during April - December 2009, steel consumption grew by 8 % and growth gathered momentum during the last three months partly due to the low base effect of the previous year.

In fact, Indian steel-makers had reduced production by up to 40 % in October - December 2008, as demand dropped significantly due to the slowdown and credit crunch. Even though fears of oversupply kept steel prices under pressure in the domestic market - globally, too, companies had reduced the price of the metal - strong demand is now pulling up prices. Long product prices increased by nearly Rs. 4,000 per tonne in the second half of December and analysts expect prices to rise by another Rs. 1,000 per tonne this month. Even on the bourses, Tata Steel, JSW Steel, Sterlite and SAIL have outperformed the broader markets with gains of around 55% in the quarter ended December and the BSE Metal Index too outperformed the Sensex. Despite the global slowdown, demand for steel in the domestic market remained strong due to the quick recovery in the automobile industry and government spending on infrastructure projects. In fact, a recent note from Nomura Research says that steel companies in India have enjoyed high operating rates resulting in robust performances. Even globally, the World Steel Organisation says that the slump in steel demand has bottomed out and is expected to grow by 9 % this year as demand rebounds in the US, Europe and Japan. The organisation expects steel prices to increase by 10 % in the next three months and inventory build-up will take place in anticipation of an increase in raw material costs.

According to the passage,

- A. Steel industry in India is expected to do very well in the last one year.
- B. The price of steel has seen an increase in the last one year.
- C. During 2008 the demand for steel had gone down due to slowdown.
- D. Government spending on infrastructure has helped the steel industry in India.

A) A, B, C and D are correct    B) A, B and D are correct    C) A, B and C are correct    D) A and D are correct

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 178**

Buoyed by the strong demand from the automobile, infrastructure, consumer durables, and capital goods industries, the price of steel and profitability of steel firms are firming up. In addition to private demand, the government's stimulus packages have also helped. Analysts expect the margins of steel companies to expand by 500 basis points in the quarter ending December last year, because of the rally in the base metal prices. Crude steel production in the quarter ended December last year grew 2.6 % and prices increased by 2 % in the same period. Broadly, during April - December 2009, steel consumption grew by 8 % and growth gathered momentum during the last three months partly due to the low base effect of the previous year.

In fact, Indian steel-makers had reduced production by up to 40 % in October - December 2008, as demand dropped significantly due to the slowdown and credit crunch. Even though fears of oversupply kept steel prices under pressure in the domestic market - globally, too, companies had reduced the price of the metal - strong demand is now pulling up prices. Long product prices increased by nearly Rs. 4,000 per tonne in the second half of December and analysts expect prices to rise by another Rs. 1,000 per tonne this month. Even on the bourses, Tata Steel, JSW Steel, Sterlite and SAIL have outperformed the broader markets with gains of around 55% in the quarter ended December and the BSE Metal Index too outperformed the Sensex. Despite the global slowdown, demand for steel in the domestic market remained strong due to the quick recovery in the automobile industry and government spending on infrastructure projects. In fact, a recent note from Nomura Research says that steel companies in India have enjoyed high operating rates resulting in robust performances. Even globally, the World Steel Organisation says that the slump in steel demand has bottomed out and is expected to grow by 9 % this year as demand rebounds in the US, Europe and Japan. The organisation expects steel prices to increase by 10 % in the next three months and inventory build-up will take place in anticipation of an increase in raw material costs.

The passage infers that

- A) the slowdown in the world economy has drastic effect on steel industry in India
- B) the demand and supply position of steel in India was very healthy despite global slowdown.
- C) steel prices have been slashed in the last quarter
- D) the share prices of steel companies have been on the decline in the last quarter

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 179**

Buoyed by the strong demand from the automobile, infrastructure, consumer durables, and capital goods industries, the price of steel and profitability of steel firms are firming up. In addition to private demand, the government's stimulus packages have also helped. Analysts expect the margins of steel companies to expand by 500 basis points in the quarter ending December last year, because of the rally in the base metal prices. Crude steel production in the quarter ended December last year grew 2.6 % and prices increased by 2 % in the same period. Broadly, during April - December 2009, steel consumption grew by 8 % and growth gathered momentum during the last three months partly due to the low base effect of the previous year.

In fact, Indian steel-makers had reduced production by up to 40 % in October - December 2008, as demand dropped significantly due to the slowdown and credit crunch. Even though fears of oversupply kept steel prices under pressure in the domestic market - globally, too, companies had reduced the price of the metal - strong demand is now pulling up prices. Long product prices increased by nearly Rs. 4,000 per tonne in the second half of December and analysts expect prices to rise by another Rs. 1,000 per tonne this month. Even on the bourses, Tata Steel, JSW Steel, Sterlite and SAIL have outperformed the broader markets with gains of around 55% in the quarter ended December and the BSE Metal Index too outperformed the Sensex. Despite the global slowdown, demand for steel in the domestic market remained strong due to the quick recovery in the automobile industry and government spending on infrastructure projects. In fact, a recent note from Nomura Research says that steel companies in India have enjoyed high operating rates resulting in robust performances. Even globally, the World Steel Organisation says that the slump in steel demand has bottomed out and is expected to grow by 9 % this year as demand rebounds in the US, Europe and Japan. The organisation expects steel prices to increase by 10 % in the next three months and inventory build-up will take place in anticipation of an increase in raw material costs.

In october - december 2008

- A) the demand for steel to go down steeply all over the world    B) the demand for steel went down drastically in India  
C) the construction activity to increase    D) the automobile industry to increase their sales

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 180**

Buoyed by the strong demand from the automobile, infrastructure, consumer durables, and capital goods industries, the price of steel and profitability of steel firms are firming up. In addition to private demand, the government's stimulus packages have also helped. Analysts expect the margins of steel companies to expand by 500 basis points in the quarter ending December last year, because of the rally in the base metal prices. Crude steel production in the quarter ended December last year grew 2.6 % and prices increased by 2 % in the same period. Broadly, during April - December 2009, steel consumption grew by 8 % and growth gathered momentum during the last three months partly due to the low base effect of the previous year.

In fact, Indian steel-makers had reduced production by up to 40 % in October - December 2008, as demand dropped significantly due to the slowdown and credit crunch. Even though fears of oversupply kept steel prices under pressure in the domestic market - globally, too, companies had reduced the price of the metal - strong demand is now pulling up prices. Long product prices increased by nearly Rs. 4,000 per tonne in the second half of December and analysts expect prices to rise by another Rs. 1,000 per tonne this month. Even on the bourses, Tata Steel, JSW Steel, Sterlite and SAIL have outperformed the broader markets with gains of around 55% in the quarter ended December and the BSE Metal Index too outperformed the Sensex. Despite the global slowdown, demand for steel in the domestic market remained strong due to the quick recovery in the automobile industry and government spending on infrastructure projects. In fact, a recent note from Nomura Research says that steel companies in India have enjoyed high operating rates resulting in robust performances. Even globally, the World Steel Organisation says that the slump in steel demand has bottomed out and is expected to grow by 9 % this year as demand rebounds in the US, Europe and Japan. The organisation expects steel prices to increase by 10 % in the next three months and inventory build-up will take place in anticipation of an increase in raw material costs.

Which of the following statements is false?

- A) In the second half of December the steel rates have increased by Rs. 4,000 per tonne.  
B) In this January the steel rates probably will rise by another Rs. 1,000 per tonne  
C) Sensex has outperformed the BSE Metal Index  
D) During April - December 2009 the steel consumption has increased by 8 %

**DIRECTIONS for the question:** In the sentence provided different ways of writing a sentence are indicated. Choose the best way of writing the sentence that is grammatically correct.

**Question No. : 181**

- A) Markets are always sensitive to consumer behaviour, but perhaps not in the way consumers expect they will be.
- B) Markets are always sensitive to human behaviour, but perhaps not in the way consumers believe they might be.
- C) Markets are always sensitive to consumer behaviour, although perhaps not in the way consumers believe them to be.
- D) Markets are not always sensitive to consumer behaviour in the way consumers believe them to be.

**DIRECTIONS for the question:** In the sentence provided different ways of writing a sentence are indicated. Choose the best way of writing the sentence that is grammatically correct.

**Question No. : 182**

- A) If foreign policy do not make its demands on the domestic policy of a nation, its citizens are doomed.
- B) Unless domestic policy makes it's demands on the foreign policy of a nation, its citizens are doomed.
- C) When foreign policy makes its demands on the domestic policy of a nation, its citizens are doomed.
- D) Unless foreign policy make its demands on the domestic policy of a nation, its citizens are doomed.

**DIRECTIONS for the question:** In the sentence provided different ways of writing a sentence are indicated. Choose the best way of writing the sentence that is grammatically correct.

**Question No. : 183**

- A) The jury of judges have decided to grant him freedom.
- B) The jury of judges have been deciding to grant him freedom.
- C) It is thought by the jury of judges to grant him freedom.
- D) The jury of judges has decided to grant him freedom.

**DIRECTIONS for the question:** In the sentence provided different ways of writing a sentence are indicated. Choose the best way of writing the sentence that is grammatically correct.

**Question No. : 184**

- A) Despite amazing advances in technology, Air Traffic Control is able to overcome the weather as well as to predict it.
- B) Despite amazing advances in technology, Air Traffic Control is able to predict the weather and overcome it.
- C) Despite of amazing advances in technology, Air Traffic Control can predict the weather and overcome it.
- D) Air Traffic Control is able to predict the weather but cannot overcome it, despite amazing advances in technology.

**DIRECTIONS for the question:** The question consists of five statements labelled A, B, C, D and E which when logically ordered form a coherent passage. Choose the option that represents the most logical order.

**Question No. : 185**

- A. After all, a story told on the large screen inevitably differs from that told on the small screen.
  - B. This critical difference has an impact on viewer-ship in terms of age, income and occupation.
  - C. In this age of multimedia, we have to train ourselves to understand that as a rule, the medium is the message.
  - D. It also has an impact on the expectations brought by the public to bear on large and small screen performances, and on the performers.
  - E. Never has the myth of 'one size fits all', been shown up so effectively, therefore as in the field of Media Studies.
- A) ABDCE   B) CABED   C) CABDE   D) CDABE

**DIRECTIONS for the question:** The question consists of five statements labelled A, B, C, D and E which when logically ordered form a coherent passage. Choose the option that represents the most logical order.

**Question No. : 186**

- A. Indeed, the reading public of today seems to be more tolerant of this crossover than their predecessors might have been.
  - B. Both writers and readers seem to enjoy criss-crossing the line between documentation and fiction.
  - C. Beginning with Midnight's Children, there has been a steady breakdown of the disciplinary wall between literature and history.
  - D. Editorial cartoons, once barely recognised as a source of humour for the masses, are now studied as important sources of historical documentation and literary value.
  - E. This has led to a revision in the view of what constitutes historical and literary debate, and of what constitutes the sources of this debate.
- A) DECAB   B) CBAED   C) CABED   D) ABCED

**DIRECTIONS for the question:** The question consists of five statements labelled A, B, C, D and E which when logically ordered form a coherent passage. Choose the option that represents the most logical order.

**Question No. : 187**

- A. Sub-Saharan Africa is often cited as a territory in which starvation could be significantly reduced, were GM foods brought into worldwide circulation.
- B. Farmers cite the steady impoverishment of the soil, and the deterioration in the quality of seeds, as excellent reasons for protesting GM foods.
- C. As with many cutting-edge discoveries, however, its long-term consequences can be difficult to handle.
- D. Genetically modified, or GM foods, are marketed enthusiastically by some sections of the developed world that claim they can cure the ills of the developing world.
- E. A lack of transparency concerning ethical testing is another reason given by the developing world for receiving GM foods with caution rather than with celebration.

A) DACBE   B) BEDAC   C) CADEB   D) DEBAC

**DIRECTIONS for the question:** The question consists of five statements labelled A, B, C, D and E which when logically ordered form a coherent passage. Choose the option that represents the most logical order.

**Question No. : 188**

- A. For example, cars in the developing world are often seen as status symbols to be acquired, while in the developed world they are seen as liabilities to be discarded.
- B. The size of the carbon footprint of nations in the developing world has again come in for serious international discussion.
- C. The failed mission of Copenhagen is the immediate cause of the resumption of this debate.
- D. While the main triggers of the debate are economic, social and cultural factors also have a major role to play.
- E. As with so many other issues, clearly, here too 'one man's meat is another man's poison.'

A) BDECA   B) CEDAB   C) BCDAE   D) BACED

**DIRECTIONS for the question:** Complete the sentence by filling in the appropriate blank/blanks from the options provided.

**Question No. : 189**

The chief quality of a nation-state has to do with a definition of national \_\_\_\_\_ rather than international \_\_\_\_\_.

A) crisis, tranquillity   B) interest, policy   C) identity, treaties   D) demands, pressures

**DIRECTIONS for the question:** Complete the sentence by filling in the appropriate blank/blanks from the options provided.

**Question No. : 190**

The \_\_\_\_\_ debate on genome research sometimes comes into the \_\_\_\_\_ zone of legal practice.

A) ethical, twilight   B) unwanted, relevant   C) immoral, grey   D) practical, insignificant

**DIRECTIONS for the question:** Complete the sentence by filling in the appropriate blank/blanks from the options provided.

**Question No. : 191**

The basic principles of a policy are \_\_\_\_\_ to its implementation, and must not be dismissed as \_\_\_\_\_.

A) necessary, trivial   B) essential, necessary   C) fundamental, elementary   D) important, lightweight

**DIRECTIONS for the question:** Complete the sentence by filling in the appropriate blank/blanks from the options provided.

**Question No. : 192**

However exciting the footnotes in a scholarly essay may seem in comparison to its body, they deal with matters that are \_\_\_\_\_ rather than \_\_\_\_\_.

A) wanted, central   B) foolish, wise   C) dull, interesting   D) clear, confused

**DIRECTION for the question:** Answer the question based on the information given in the passage.



**DIRECTION for the question:** Answer the question based on the information given in the passage.

**Question No. : 193**

Trade unionism is as much about soft negotiating skills as it is about hard bargaining; unionists and managers who do not understand this truth will automatically be deselected at the conference table.

Each of the following, if true, could account for this situation accurately *except*

- A) Trade unionism needs to be moderated for the development of the industry.
- B) Unionists and managers require similar skills
- C) The negotiating process automatically eliminates those who lack appropriate skills
- D) Soft skills are as much in demand during negotiations as is hard bargaining

**DIRECTION for the question:** Answer the question based on the information given in the passage.

**Question No. : 194**

Capitalism and neo-colonialism feed upon each other: both are marked by aggressive administrations, expanding markets and pyramidal hierarchies. In both cases, their glossy exterior conceals brute force.

Each of the following, if true, could account for this situation accurately *except*

- A) Capitalism and neo-colonialism are systems that depend upon large numbers of supporters
- B) Capitalism and neo-colonialism need to continually extend themselves to survive
- C) Capitalism and neo-colonialism are intensely structured systems
- D) Capitalism and neo-colonialism are independent of each other

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**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 195**

Edith Wharton's novel Ethan Frome

- A) was made into a movie    B) that failed to capture    C) the mood and meaning    D) of her story

**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 196**

One evening when Diana arrived at the centre

- A) Michelle told her that    B) she had been astonished    C) to learn from the secretary in the office  
D) that she had been fired

---

**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 197**

How, one may ask, does one judge the morality of

- A) another's behavior    B) if    C) you don't even know how to define or explain one's own  
D) in spite of ample opportunity to think about it.

**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 198**

The philosophy of communism

- A) is thought    B) to be born in Marx's writings and    C) have resulted in one of the most widespread

D) economic and political upheavals that the world has seen

---

**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 199**

Opponents of the Art

- A) argued that the legislation    B) was not only vaguely formulated and unconstitutional, but also impossible  
C) to enforced in an international    D) and virtually unregulated arena

**DIRECTIONS for the question:** In the given sentence words or phrases have been underlined. Identify the part that is grammatically incorrect.

**Question No. : 200**

Even

- A) those who profess    B) to care about "green" issues often fail to consider    C) how their daily choices  
D) effect the environment
- 

**QNo:- 1 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 2 ,Correct Answer:- A**

**Explanation:-**

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**QNo:- 3 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 4 ,Correct Answer:- C**

**Explanation:-**

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**QNo:- 5 ,Correct Answer:- A**

**Explanation:-**

**QNo:- 6 ,Correct Answer:- B**

**Explanation:-**

---

**QNo:- 7 ,Correct Answer:- A**

**Explanation:-**

**QNo:- 8 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 9 ,Correct Answer:- D**

**Explanation:-**

**QNo:- 10 ,Correct Answer:- C**

**Explanation:-**

---

**QNo:- 11 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 12 ,Correct Answer:- B**

**Explanation:-**

---

**QNo:- 13 ,Correct Answer:- A**

**Explanation:-**

**QNo:- 14 ,Correct Answer:- D**

**Explanation:-**

---

**QNo:- 15 ,Correct Answer:- A**

**Explanation:-**

**QNo:- 16 ,Correct Answer:- C**

**Explanation:-**

---

**QNo:- 17 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 18 ,Correct Answer:- C**

**Explanation:-**

---

**QNo:- 19 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 20 ,Correct Answer:- B**

**Explanation:-**

---

**QNo:- 21 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 22 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 23 ,Correct Answer:- D**

**Explanation:-**

**QNo:- 24 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 25 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 26 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 27 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 28 ,Correct Answer:- C**

**Explanation:-**

---

**QNo:- 29 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 30 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 31 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 32 ,Correct Answer:- B**

**Explanation:-**

---

**QNo:- 33 ,Correct Answer:- B**

**Explanation:-**

**QNo:- 34 ,Correct Answer:- B**

**Explanation:-**

---

**QNo:- 35 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 36 ,Correct Answer:- A**

**Explanation:-**

---

**QNo:- 37 ,Correct Answer:- A**

**Explanation:-**

**QNo:- 38 ,Correct Answer:- C**

**Explanation:-**

---

**QNo:- 39 ,Correct Answer:- C**

**Explanation:-**

**QNo:- 40 ,Correct Answer:- C**

**Explanation:-**

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**QNo:- 41 ,Correct Answer:- D**

**Explanation:-**

*It is given that 25% of South Asian children work as labourers and that is equal to 125 million. So 100% will be equal to 500 million.*

*That is, let the total number of children below the age of 18 be  $x$*

*then, 25% of  $x = 125$  million*

*$\Rightarrow x = 125/0.25$*

*$\Rightarrow x = 500$  million*

*Therefore, the number of children below the age of 18 in South Asia is 500 million.*

*Hence, option D is the correct answer.*

**QNo:- 42 ,Correct Answer:- D**

**Explanation:-**

*It is given that out 100 only 86 children survive below the age of 5 years. Further it is given that 44% of the students who join the school left the school before class 5. Since it is not clear that whether all the children join the school or not, we cannot determine the no. of students who do not left the school before class 5.*

*Hence, option D is the correct answer.*

---

**QNo:- 43 ,Correct Answer:- B**

**Explanation:-**

*It is given in the first line of the paragraph that half of the world's illiterates live in South Asia. Hence, 50% of world's illiteracy lives in South Asia. Option B is the correct answer.*

**QNo:- 44 ,Correct Answer:- D**

**Explanation:-**

It is given that, "Ten out of 100 infants die at infancy and four more die before attaining the age of five years."  
It means that out of 100 infants 14 die before the age of 5 years. Hence, 14% of infants born in South Asia do not survive till the age of 5.  
Option D is the correct answer.

---

**QNo:- 45 ,Correct Answer:- D**

**Explanation:-**

It is written in the paragraph, "It was further noted that only 46 % of South Asia's adult population was literate versus 53 % in Sub-Saharan Africa."

Literacy rate of Sub-Saharan Africa = 53 %

Literacy rate of South Asia = 46 %

Hence required difference is  $= \frac{(53-46)}{46} \times 100 = 15.2\%$

Option D is the correct answer.

---

**QNo:- 46 ,Correct Answer:- D**

**Explanation:-**

The given equation is  $x^2 - 4x + 3.75 = 0$ , which on solving gives  $x = 2.5, 1.5$  Statement I: There are infinite positive real nos. So statement I will not give a unique sol.

Statement II: Putting  $n = 1, 2, 3...$  we get values of  $x$  less than 2, 2.25, 2.37... So nothing can be concluded from statement II as well. Hence, even on combining both statements we cannot get a unique solution.

Option D is the correct answer.

---

**QNo:- 47 ,Correct Answer:- C**

**Explanation:-**

Statement I: We have  $D > A, C$ . Since we don't know the marks of B & E, we cannot find answer from here.

Statement II: Here  $D < B < E$ . Again nothing can be concluded as we don't know anything about A & C.

Hence, on combining both statements we get  $E > B > D > A, C$ . So E got the maximum marks.

Option C is the correct answer.

---

**QNo:- 48 ,Correct Answer:- C**

**Explanation:-**

Since neither SP or CP is given in value terms in statement I, thus it is insufficient to answer the question. It only tells that  $SP = 25\%$  more than CP or  $SP = 5/4CP$

Similarly, from statement II, we know that the profit on each book is Rs.20 but we do not know the CP.

Hence, using both the statements we get

$SP - CP = \text{Profit}$

$\Rightarrow 5/4CP - CP = 20$

$\Rightarrow CP = \text{Rs. } 80$

Therefore both statements are required to answer the question.

Option C is the correct answer.

---

**QNo:- 49 ,Correct Answer:- D**

**Explanation:-**

Statement I gives total quantity of cement to be used. So it is not sufficient to answer the question. Statement II gives only the volume of cement used in foundation. Also on combining both statements we cannot answer the question.

---

**QNo:- 50 ,Correct Answer:- A**

**Explanation:-**

Statement I: Let wholesale price = Rs 100. MP = Rs 120. After discount of 10 % the SP = Rs 108. So Profit = Rs 8. Now apply chain

rule, If Profit is Rs 8 the wholesale price = Rs 100 If profit is Rs 10 the wholesale price = Rs 125 So statement I is sufficient. From statement II we do not know about the discount given. Hence Statement II is not sufficient. Hence, option A is the correct answer.

---

**QNo:- 51 ,Correct Answer:- A**

**Explanation:-**

Statement I: Since 30 students failed in both subjects, 120 will pass at least one exam.  
So students passed in both exam =  $(50 + 90) - 120 = 20$ . Hence statement I is sufficient to answer the question. Statement II gives us no information about students.

**QNo:- 52 ,Correct Answer:- C**

**Explanation:-**

Statement I gives us  $a = 2$ . As we don't know about  $b$  so we cannot say about the relation between  $a$  &  $b$ . Similarly statement II only gives us  $b = 3$ . If we combine both statements we can say that  $a < b$ .

---

**QNo:- 53 ,Correct Answer:- C**

**Explanation:-**

Statement I gives us the arrangement Narendar, Ram, Shyam. Since we have no information about Ramesh and Naresh so we cannot find the answer. Similarly Statement II gives information about Ramesh and Naresh only, hence it is also not sufficient. On combining both the statements we can have the arrangement Ramesh, Narendar, Ram, Shyam and Naresh. So Ram is the third person in the queue.  
Hence, option C is the correct answer.

**QNo:- 54 ,Correct Answer:- C**

**Explanation:-**

Statement I:  $Z < Y$ . So it is not sufficient.  
Statement II:  $A > Y > X$ , since marks of Z is unknown so nothing can be concluded.  
On combining both statements we get  $A > Y > X, Z$ .  
Hence, we can say that A got maximum marks.  
Option C is the correct answer.

---

**QNo:- 55 ,Correct Answer:- D**

**Explanation:-**

Statement I: The nos. could be 15, 24, 33, 42, 51, 60. Hence it is not sufficient.  
Statement II: In this case the nos. may be 13, 31, 24, 42, 35, 53 and so on. So statement II is also not sufficient. On combining we have the nos. 24, 42. So we cannot determine the unique no.

**QNo:- 56 ,Correct Answer:- A**

**Explanation:-**

Using BODMAS we have the value in column A = 12 and in column B = 9.2  
Hence, option A is the correct answer.

---

**QNo:- 57 ,Correct Answer:- A**

**Explanation:-**

On solving the two columns. We get, Column A =  $0.01/0.1 = 0.1$   
and similarly column B =  $0.01 \times 0.1 = 0.001$   
Hence, option A is the correct answer.

**QNo:- 58 ,Correct Answer:- B**

**Explanation:-**

Column A =  $(1/3)^{1/9} = [(1/3)^2]^{1/18} = (1/9)^{1/18}$  and Column B =  $(1/2)^{1/6} = [(1/2)^3]^{1/18} = (1/8)^{1/18}$   
 Thus, Column A =  $(1/9)^{1/18}$  and Column B =  $(1/8)^{1/18}$ . Since  $1/8 > 1/9$ . Hence column B is greater

---

**QNo:- 59 ,Correct Answer:- C**

**Explanation:-**

Column A, semicircumference =  $\pi r = 3.14 \times 10 = 31.4$  and

Column B, circumference =  $2\pi r = 2 \times 3.14 \times 5 = 31.4$ .

Both are equal.

Hence, option C is the correct answer.

**QNo:- 60 ,Correct Answer:- A**

**Explanation:-**

Column A, circumference =  $2 \times 3.14 \times 1 = 6.28$  and

Column B, perimeter of the square =  $4 \times 1.5 = 6$ .

Thus, quantity in column A is greater.

---

**QNo:- 61 ,Correct Answer:- B**

**Explanation:-**

From table A the total readership = Total of English Magazines + Total of Hindi magazines  
 $= 460000 + 425000 = 885000$

Now, from table B the total Magazines = Total Number of English Magazines + Total Number of Hindi magazines  
 $= 35 + 30 = 65$

Average readership =  $885000/65 = 13615$

Hence, option B is the correct answer.

**QNo:- 62 ,Correct Answer:- B**

**Explanation:-**

From table B Total Magazines in 2001 = Total of English Magazines + Total of Hindi magazines  
 $= 40$

Similarly, Total magazines in 2003 = 65

So Magazines added = Total magazines in 2003 - Total Magazines in 2001  
 $= 65 - 40 = 25$

Hence, option B is the correct answer.

---

**QNo:- 63 ,Correct Answer:- C**

**Explanation:-**

From table B, Total number of Hindi magazines in 2001 = 18

and Total number of Hindi magazines in 2002 = 26.

So Total no. of magazines added =  $26 - 18 = 8$ .

Similarly Total number of English magazines in 2001 = 22

and Total number of English magazines in 2002 = 30.

So Total number of magazines added = 8.

Hence, the ratio of added Hindi magazines to added English magazines between 2001 and 2002 is 1:1.

Option C is the correct answer.

**QNo:- 64 ,Correct Answer:- D**

**Explanation:-**



Readership per magazine = Total readership of magazines/total number of magazines

General: In 2001 =  $\frac{220000}{22} = 10000$  In 2002 =  $\frac{310000}{29} = 10689$  Sports: In 2001 =  $\frac{60000}{5} =$

12000 In 2002 =  $\frac{100000}{8} = 12500$  Film: In 2001 =  $\frac{140000}{7} = 20000$  In 2002 =

$\frac{210000}{11} = 19090$  Business: In 2001 =  $\frac{40000}{6} = 6667$  In 2002 =  $\frac{55000}{8} = 6875$

So in case of Films the readership/magazine has declined.

---

**QNo:- 65 ,Correct Answer:- A**

**Explanation:-**

The English Sports magazines readership in 2001 = 400

and The English Sports magazines readership during 2001-2004 = 400 + 600 + 1000 + 1200 = 3200

Hence ratio =  $400/3200 = 1/8$

Option A is the correct answer.

**QNo:- 66 ,Correct Answer:- D**

**Explanation:-**

Here, we can observe it clearly from the graph that for 2008-09, the value of private placement is more than half of the total.

Hence, the correct answer is option D.

---

**QNo:- 67 ,Correct Answer:- A**

**Explanation:-**

Here, we can observe it clearly from the graph that that the funds raised in 2008-09 were minimum among all the years. Hence, the correct answer is option A.

---

**QNo:- 68 ,Correct Answer:- A**

**Explanation:-**

Total amount raised by way of public issue for the period 2004-05 to 2008-09 excluding the period 2005-

06 = 20170 + 18375 + 13010 + 2575 = Rs.54130 crores

So, required average =  $\frac{54130}{4} = \text{Rs.13532 crores}$

Hence option D.

---

**QNo:- 69 ,Correct Answer:- B**

**Explanation:-**

Total amount raised by way of public issue = 20170 + 26430 + 18375 + 13010 + 2575 = Rs.80560 crores

Now, total amount raised through all the three financial instruments = 42476 + 51803 + 32597 + 23337 + 11271 = Rs.161484

So, required percentage =  $\frac{80560}{161484} \times 100 = 49.9\%$

Hence option B.

**QNo:- 70 ,Correct Answer:- A**

**Explanation:-**

Amount raised in 2005 – 06 = Rs.13658cr

Amount raised in 2006 – 2007 = Rs. 7598cr

So, their difference = Rs.6060cr

$$\% \text{age decrease} = \frac{6060}{13658} \times 100 = 44.4\%$$

Hence option A.

---

**QNo:- 71 ,Correct Answer:- B**

**Explanation:-**

$$\text{Required ratio} = \frac{3 \times 25 + 5 \times 26 + 2 \times 35}{3 \times 49 + 5 \times 35 + 2 \times 30} = \frac{275}{382} = 0.72$$

Option B is the correct answer.

**QNo:- 72 ,Correct Answer:- C**

**Explanation:-**

$$\text{Total increase} = 35 - 26 = 9$$

$$\% \text{age increase} = \frac{9}{26} \times 100 = 34.62\%$$

---

**QNo:- 73 ,Correct Answer:- D**

**Explanation:-**

$$\text{Total usage in 2009} = 490 + 30 + 35 + 25 + 49 = 629$$

$$\text{Reqd. \%age} = \frac{490}{629} \times 100 = 77.9\%$$

Option D is the correct answer.

**QNo:- 74 ,Correct Answer:- D**

**Explanation:-**

$$\text{Domestic usage in 2006} = 35$$

$$\text{Total usage in 2006} = 35 + 35 + 26 + 25 + 410 = 531$$

$$\text{Domestic usage in 2009} = 30$$

$$\text{Total usage in 2009} = 490 + 30 + 35 + 25 + 49 = 629$$

$$\text{In 2006, the \%age} = \frac{35}{531} \times 100 = 6.6\%$$

$$\text{In 2009, the \%age} = \frac{30}{629} \times 100 = 4.76\%$$

$$\text{Difference} = 6.6 - 4.76 = 1.84 \sim 1.82$$

Option D is the correct answer.

---

**QNo:- 75 ,Correct Answer:- B**

**Explanation:-**

$$\text{Increase in Domestic} = (35 - 30)/35 \times 100 = 14.28\%$$

$$\text{Increase in Industrial usage} = (49 - 25)/25 \times 100 = 96\%$$

$$\text{Increase in Others} = (35 - 25)/25 \times 100 = 40\%$$

$$\text{Increase in Energy usage} = (35 - 26)/26 \times 100 = 34.6\%$$

We can see that in industrial usage increase is 96% (from 25 to 49). All the other given choices has lesser percentage increase.

Hence, option B is the correct answer.

**QNo:- 76 ,Correct Answer:- D**

**Explanation:-**

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Production in 2001 is = 30,000  
Production in 2004 = 60,000  
%age increase = 100 %.  
So annual %age increase =  $\frac{100}{3} = 33.3\%$

---

**QNo:- 77 ,Correct Answer:- B**

**Explanation:-**

The %age change in 2001 =  $(5 - 3)/3 \times 100 = 66.67\%$   
The %age change in 2002 =  $(5.25 - 5)/5 \times 100 = 5\%$   
The %age change in 2003 =  $(6 - 5.25)/5.25 \times 100 = 14.28\%$   
The %age change in 2004 =  $(3.75 - 6)/6 \times 100 = -37.5\%$

The maximum %age change of 66.67% is from 2000 to 2001.  
Hence, option B is the correct answer.

**QNo:- 78 ,Correct Answer:- A**

**Explanation:-**

---

Cars produced by PAL in 2002 = 50,000  
Total cars produced in 2002 = 300,000  
%age share =  $\frac{50000}{300000} \times 100 = 16.7\%$

---

**QNo:- 79 ,Correct Answer:- D**

**Explanation:-**

Total cars produced in 2001 = 30,000, Total cars sold 80% of 30000 = 24,000, Average price/car in 2001 = Rs 500,000, Total revenue =  $24,000 \times 500,000 = 1200 \text{ cr.}$

**QNo:- 80 ,Correct Answer:- C**

**Explanation:-**

Total production in 2000 = 40000. Since 10 % cars were rejected, so cars sold = 90 % of 40000 = 36000  
Average price/car in 2000 = Rs 300,000  
Total revenue =  $36,000 \times 300,000 = 1080 \text{ cr}$

---

**QNo:- 81 ,Correct Answer:- B**

**Explanation:-**

Since the radius of all the containers is same, radius of the cylindrical can, cone and sphere is = 6 m. Now, Volume of the bigger cylinder = volume of the cylindrical can + volume of the cone + volume of the sphere  $\pi \times (6)^2 \times 14 = \pi \times (6)^2 \times h + \frac{4}{3} \times \pi \times (6)^3 + \frac{1}{3} \pi \times (6)^2 \times 6$  Solving we get,  $h = 4 \text{ m}$ , where  $h$  = height of the cylindrical can. Since only  $\frac{3}{4}$  of the cylindrical can is filled, so  $\frac{1}{4}$  of the volume of the cylindrical can is dropped =  $\frac{1}{4} \times \pi \times (6)^2 \times 4 = 36\pi \text{ m}^3$ . Option 2.

---

**QNo:- 82 ,Correct Answer:- C**

**Explanation:-**

Let the original length be  $l$  and the breadth be  $b$ . The original area =  $lb$ . Let the new length =  $\frac{3}{2}l$  and the breadth =  $\frac{1}{3}b$ . Hence the new area =  $\frac{1}{2}lb$ . Hence the area has reduced by  $\frac{1}{2}$  of the original area.

---

**QNo:- 83 ,Correct Answer:- B**

**Explanation:-**

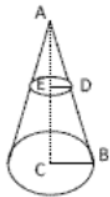
The sphere that can be completely fitted inside a cube has diameter = the edge of the cube. Let the edge of the cube =  $x$ , so the radius of the sphere =  $x/2$ .

The ratio of the volume of the cube to the volume of the sphere =  $\frac{x^3}{\frac{4}{3}\pi(\frac{x}{2})^3} = \frac{21}{11}$ .

Option 2.

**QNo:- 84 ,Correct Answer:- C**

**Explanation:-**



Let height of the truncated cone be  $h$ , slant height be  $l$  and radius be  $r$ .

Also, let the height of the original cone be  $H$ , slant height be  $L$  and radius be  $R$ .

Now Curved Surface Area of the truncated cone =  $(1 - 8/9)$  of the original cone

$\Rightarrow$  Curved Surface Area of the truncated cone =  $1/9$ th of the original cone

So,  $\pi r l = 1/9 \times \pi R L$

$\Rightarrow r l / R L = 1/9$

Triangles AED and ACB are similar.

Hence, by SSS,  $r/R = l/L = h/H$

$\Rightarrow h^2/H^2 = 1/9$

$\Rightarrow h/H = 1/3$

Hence, the ratio of the line segments into which the cone's altitude is divided by the plane is  $1/2$  or  $1:2$

Option 3 is the correct answer.

**QNo:- 85 ,Correct Answer:- C**

**Explanation:-**

Let the width of the deck be  $w$ . So area of the deck =  $\pi (r + w)^2 - \pi (r)^2$ , where  $r$  is the radius of the swimming pool = 14 feet.

Area of the deck =  $60\pi = \pi(14 + w)^2 - \pi 14^2$

$\Rightarrow (14 + w)^2 - 196 = 60$

$\Rightarrow (14 + w)^2 = 256$

$\Rightarrow 14 + w = 16$

$\Rightarrow w = 2$

Hence, option C is the correct answer.

**QNo:- 86 ,Correct Answer:- A**

**Explanation:-**

Total surface area of the toy = Curved surface area of the cone + curved surface area of hemisphere

=  $\pi r l + 2\pi r^2$ , where  $l$  = slant height of the cone.

Now, by Pythagoras theorem,

$h^2 + r^2 = l^2$

$\Rightarrow 4^2 + 3^2 = l^2$

$\Rightarrow l = 5$  cm.

Putting the values we get,

Surface area =  $\pi \times 3 \times 5 + 2 \times \pi \times 3^2 = 33\pi$  cm<sup>2</sup>.

Hence, option A is the correct answer.

**QNo:- 87 ,Correct Answer:- B**

**Explanation:-**

Let the money be invested at 12% be Rs. x and that be invested at 10% be Rs. y.

So, 12% of x + 10% of y = 130

$$\Rightarrow 12x/100 + 10y/100 = 130$$

$$\Rightarrow 6x + 5y = 6500 \text{ ----- (i)}$$

and 10% of x + 12% of y = 134

$$\Rightarrow 10x/100 + 12y/100 = 134$$

$$\Rightarrow 5x + 6y = 6700 \text{ ----- (ii)}$$

Multiplying (i) by 6 and (ii) by 5 and then subtracting, we get

$$x = 500$$

Hence, he invested Rs. 500 at 12 % simple interest.

Option B is the correct answer.

**QNo:- 88 ,Correct Answer:- D**

**Explanation:-**

Let the principal = Rs 100.

Rate of interest = 8% p.a compounded half yearly.

Half yearly interest rate = 4%

Thus, CI for first half = 4% of Rs. 100 = Rs. 4

and CI for second half = 4 + 4% of 4 = Rs. 4.16

So net compound interest paid = CI for first half + CI for second half = Rs 8.16.

So the effective rate of interest = 8.16% p.a.

Hence, option D is the correct answer.

OR

Let the principal be Rs. 100

Rate of interest = 8% p.a compounded half yearly.

Half yearly interest rate = 4%

Time period = 2 half years

Hence, Amount of Rs. 100 for 1 year when compounded half-yearly =  $100 \times (1 + 4/100)^2 = 108.16$

Therefore, Effective rate =  $(108.16 - 100) = 8.16\%$

Hence, option D is the correct answer.

**QNo:- 89 ,Correct Answer:- A**

**Explanation:-**

Let the principal = p.

Time = 3 years.

So 1% of p for 3 years = Rs 5100.

That is  $(p \times 1 \times 3)/100 = 5100$

$$\Rightarrow p = \text{Rs } 170,000.$$

Hence, option A is the correct answer.

**QNo:- 90 ,Correct Answer:- D**

**Explanation:-**

Since, in 5 years the amount grew from Rs. 300 to Rs. 400.

So simple interest added in 5 years = Rs. 400 - Rs. 300 = Rs. 100

Hence, the interest for 1 year = Rs. 100/5 = Rs. 20

$\Rightarrow$  The interest for 3 years = Rs. 60

We know, Amount = Principal + Simple Interest

$\Rightarrow$  Principal = Amount - Simple Interest

$\Rightarrow \text{Principal} = \text{Rs } 300 - \text{Rs } 60 = \text{Rs. } 240$   
 Also,  $SI = (P \times R \times T)/100$   
 $\Rightarrow \text{for one year, } 20 = (240 \times R \times 1)/100$   
 $\Rightarrow \text{rate of interest} = 100/12 = 8.33\%$   
 Hence, option D is the correct answer.

---

**QNo:- 91 ,Correct Answer:- B**

**Explanation:-**

In three years the population has become  $4800/3600 = 4/3$  times.  
 Since population growth is constant and is compounding annually, so in another three years it will become  $4/3$  times of 4800 =  $(4 \times 4800)/3 = 6400$ .  
 Hence, option B is the correct answer.

---

**QNo:- 92 ,Correct Answer:- C**

**Explanation:-**

Let Shyam's share be Rs s and Ram's share be Rs r.

We know, Amount =  $P \times (1 + r/100)^n$

where, P = Principal

r = Rate of interest

n = Time Period

It is given that Shyam's share at the end of 9 years is equal to Ram's share at the end of 11 years.

$$\Rightarrow s \times (1.05)^9 = r \times (1.05)^{11}$$

$$\Rightarrow s/r = 441/400$$

Now, to find out the share of Shyam,

$$s = \{s/(s+r)\} \times \text{Total}$$

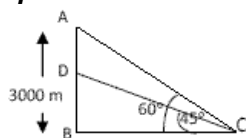
$$\Rightarrow (441/841) \times \text{Rs. } 5887 = \text{Rs. } 3087.$$

Hence, option C is the correct answer.

---

**QNo:- 93 ,Correct Answer:- A**

**Explanation:-**



In rt triangle DBC,  $\tan 45^\circ = DB/BC = 1$ ,

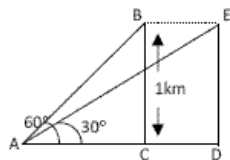
So  $DB = BC$ . Also in rt triangle ABC,  $\tan 60^\circ = AB/BC$

$AB/DB = \sqrt{3}$ ,  $DB = 3000/\sqrt{3} = 1732\text{m}$ . Hence  $AD = 3000 - 1732 = 1268\text{ m}$ . Option 1.

---

**QNo:- 94 ,Correct Answer:- A**

**Explanation:-**



In rt triangle ADE,  $\tan 30^\circ = ED/AD = 1/\sqrt{3}$ ,  $\rightarrow AD = \sqrt{3}\text{ km}$ ,

In rt triangle ABC,  $\tan 60^\circ = BC/AC = \sqrt{3}$ ,  $AC = \sqrt{3}/3$ , so  $CD = BE = AD - AC$

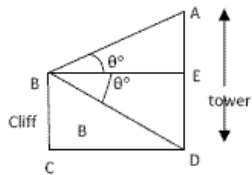
$$= \sqrt{3} - \sqrt{3}/3 = 2\sqrt{3}/3\text{ km. So speed of the aeroplane} = \frac{2\sqrt{3}/3}{\frac{10}{60 \times 60}}\text{ km/hr}$$

$$= 240\sqrt{3}\text{ km/hr. Option 1.}$$


---

**QNo:- 95 ,Correct Answer:- B**

**Explanation:-**



In rt triangle ABE,  $\tan\theta = AE/BE$ , Also in rt triangle BED,  $\tan\theta = ED/BE$   
So equating the two we get  $AE = ED$ .  $ED = 25$  m i.e height of the cliff.  
So height of the tower = 50 m. Option 2.

---

**QNo:- 96 ,Correct Answer:- D**

**Explanation:-**

Let the original number be  $10x + y$   
and by reversing the digits, we get  $10y + x$   
Hence,  $2(10x + y) = 9(10y + x)$   
 $\Rightarrow 20x + 2y = 90y + 9x$   
 $\Rightarrow 11x = 88y$   
 $\Rightarrow x = 8y$  ----- (i)  
Also, it is given sum of digits is 9.  
That is  $x + y = 9$   
From (i),  $8y + y = 9$   
 $\Rightarrow y = 1$   
Hence,  $x = 8$   
Therefore, the number becomes 81,  
Option D is the correct answer.

---

**QNo:- 97 ,Correct Answer:- B**

**Explanation:-**

Let there are  $r$  rows and  $x$  students in each row.

$$\begin{aligned}\therefore (x + 4) \times (r - 4) &= x \times r \\ \Rightarrow x \times r - 4x + 4r - 16 &= x \times r \\ \Rightarrow -4x + 4r &= 16 \quad \dots (i)\end{aligned}$$

$$\begin{aligned}\text{and } (x - 2) \times (r + 4) &= x \times r \\ \Rightarrow x \times r + 4x - 2r - 8 &= x \times r \\ \Rightarrow 4x - 2r &= 8 \quad \dots (ii)\end{aligned}$$

Adding Eqs. (i) and (ii),

$$\begin{aligned}2r &= 24 \\ \Rightarrow r &= 12\end{aligned}$$

$\therefore$  From Eq. (ii),  $4x - 24 = 8$

$$\Rightarrow 4x = 32$$

$$\Rightarrow x = 8$$

$\therefore$  Total number of students =  $8 \times 12 = 96$

**QNo:- 98 ,Correct Answer:- D**

**Explanation:-**

Let Nikhil's money be  $N$  and Yogesh's money be  $Y$

Now,  $1/4$  of  $N = 1/6$  of  $Y$

$$\Rightarrow N = 2Y/3$$

Also, it is given  $N + Y = \text{Rs. } 600$

$$\Rightarrow 2Y/3 + Y = 600$$

$$\Rightarrow Y = \text{Rs. } 360$$

Hence,  $N = \text{Rs. } 240$

Therefore,  $Y - N = \text{Rs. } 360 - \text{Rs. } 240 = \text{Rs. } 120$

Option D is the correct answer.

---

**QNo:- 99 ,Correct Answer:- C**

**Explanation:-**

Required number of days =  $9 \times \frac{5}{15} \times \frac{66}{18} = 11$  days. Option 3.

**QNo:- 100 ,Correct Answer:- B**

**Explanation:-**

Let the money lent at 8 % be  $x$ , then the money lent at 9% =  $(25000-x)$

According to question

$$(8x)/100 + (25000-x) \times 9/100 = 2187.50$$

Solving we get ,  $x = \text{Rs } 6250$

---

**QNo:- 101 ,Correct Answer:- A**

**Explanation:-**

Let the monthly salary be Rs 100,

Money spent on educational expenses = 40% of 100 = Rs. 40

So money spent on books = Rs. 60 % of 40 = Rs 24,

Money remaining = Rs. 40 - Rs. 24 = Rs. 16

Hence, money spent on Stationery =  $\frac{1}{2}$  of Rs. 16 = Rs 8.

So the balance left with him = Rs 40 – Rs 32 = Rs. 8 and Savings =  $\frac{1}{4}$  of Rs 8 = Rs 2.

Now if Rs 2 corresponds to Rs 160,

then Rs 100 corresponds to Rs  $160 \times 100/2 = \text{Rs. } 8000$ .

Hence, option A is the correct answer.

**QNo:- 102 ,Correct Answer:- B**

**Explanation:-**

Let the length of the rectangle be  $l$  and breadth be  $b$

Area =  $lb$

Now, new length =  $1.05l$

new breadth =  $0.94b$

New area =  $1.05l \times 0.94b = 0.987lb$

So, percentage change =  $(\text{new area} - \text{original area}) \times 100/\text{original area}$

=> Percentage area =  $(0.987lb - lb) \times 100/lb$

=> Percentage area =  $-1.3\%$

Hence, there is a decrease of  $1.3\%$

Option B is the correct answer.

---

**QNo:- 103 ,Correct Answer:- A**

**Explanation:-**

% increase in sale =  $\frac{21-15}{15} \times 100 \% = 40 \%$ . Option 1.

**QNo:- 104 ,Correct Answer:- C**

**Explanation:-**

We have to select 3 points out of the given points to make a triangle but we have to negate those cases in which points are picked from collinear points ( straight line ).

Total number of triangles =  ${}^{11}C_3 - {}^5C_3 = 155$ .

---

**QNo:- 105 ,Correct Answer:- D**

**Explanation:-**

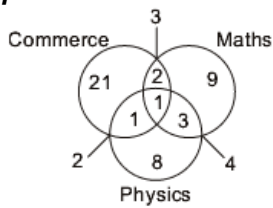
Since both husband and wife will have to select at least one of their friends , Therefore total cases are-

Required number of ways =  $(2^5 - 1) + (2^4 - 1) = 31 + 15 = 46$  ways.



**QNo:- 106 ,Correct Answer:- A**

**Explanation:-**



Total students studying at least one subject

$$= 21 + 1 + 2 + 1 + 9 + 3 + 8 = 45$$

Students who are not studying any of the three subjects

$$= 80 - 45 = 35$$

**QNo:- 107 ,Correct Answer:- A**

**Explanation:-**

Work done by pipe A in 1 minute =  $1/20$

=> Work done by pipe A in 3 minutes =  $3/20$

Similarly, work done by pipe B in 3 minutes =  $3/10$

and work done by pipe C in 3 minutes =  $3/30$

A, B, C discharge chemical solutions 'X', 'Y', 'Z' respectively.

Hence, Proportion of liquid Y =  $(1/B)/(1/A + 1/B + 1/C) = (3/10)/(3/20 + 3/10 + 3/30)$

=> proportion of liquid Y =  $(1/10)/(1/20 + 1/10 + 1/30) = 6/11$

Hence, option A is the correct answer.

**QNo:- 108 ,Correct Answer:- B**

**Explanation:-**

The tank is filled in the following pattern AB, AC, AB, AC, .....

1 hr work of A and B =  $1/12 + 1/15 = 3/20$ .

1 hr work of A and C =  $1/12 + 1/20 = 2/15$ .

Hence two hr work of AB and AC =  $3/20 + 2/15 = 17/60$

So in 6 hrs total work completed =  $3 \times 17/60 = 51/60$ .

Hence work left =  $1 - 51/60 = 9/60 = 3/20$ .

Hence, to complete the remaining work AB will take 1 hr more.

So total time taken is  $6 + 1 = 7$  hrs.

Option B is the correct answer.

**QNo:- 109 ,Correct Answer:- D**

**Explanation:-**

Favourable outcomes will be those when A and B are together (A exactly before B) =  $3!$

And, Total possible outcomes =  $4!$

Thus, the required probability =  $3!/4! = 1/4$ .

Hence, option D is the correct answer.

**QNo:- 110 ,Correct Answer:- A**

**Explanation:-**

Number of defective bulbs = 4

Hence, non defective bulbs =  $12 - 4 = 8$

We have to draw 3 non defective bulbs. So favourable outcomes =  ${}^8C_3$

And Total outcomes will be =  ${}^{12}C_3$

Therefore, the required probability =  ${}^8C_3/{}^{12}C_3 = 8/12 \times 7/11 \times 6/10 = 14/55$

Hence, option A is the correct answer.

**QNo:- 111 ,Correct Answer:- B**

**Explanation:-**

On checking the options, we find that in option 2 if the original speed is 750 km/h and distance travelled is 1500km then time taken 2 hrs. Also if the speed is increased to 1000 km/h then the time taken is 1.5 hrs. So even if the plane leaves 30 mins late, with the increased speed it will reach the destination on time. Hence the original speed is 750 kmph.

OR

Let the original speed be  $s$  km/hr and time be  $t$  hrs.

A plane left 30 minutes later than its scheduled time to reach its destination 1500 km away.

Time taken =  $t + 30/60$

Hence,  $s \times (t + 30/60) = 1500$

$\Rightarrow s = 3000/(2t + 1)$  ----- (i)

Also,  $(s + 250)(t) = 1500$  ----- (ii)

Now, putting (i) in (ii), we get

$[(3000/(2t+1)) + 250] \times t = 1500$

$\Rightarrow 500t^2 + 250t = 1500$

$\Rightarrow 2t^2 + t - 6 = 0$

Solving this we get,  $t = 3/2$  hrs.

Now, putting  $t$  in (i), we get

$s = 750$  km/hr

Hence, option B is the correct answer.

**QNo:- 112 ,Correct Answer:- B**

**Explanation:-**

On checking the options we find that if the tour is for 20 days then the daily expenses will be Rs 18.

To extend the tour by 4 days would make the tour for 24 days and the daily expense will become Rs 15, so the total bill will be Rs  $24 \times 15 = \text{Rs } 360$ , the same as before.

Hence, option B is the correct answer.

**QNo:- 113 ,Correct Answer:- A**

**Explanation:-**

The money given to Shyam = Rs  $(100 + 200 + 400 + 800 \dots)$ .

This series is a G.P. with  $r = 2$  and no. of terms = 8. So sum =  $\frac{a(r^n - 1)}{(r - 1)} = \frac{100(2^8 - 1)}{(2 - 1)}$

= Rs 25,500. Option 1.

**QNo:- 114 ,Correct Answer:- C**

**Explanation:-**

Let the number of pairs of brown socks be  $n$ .

Let the price of each pair of black socks be Rs  $x$  and that of brown socks be Rs  $y$ .

Given  $x = 2y$ . Also,  $4y + nx = 1.5(4x + ny)$ .

Putting  $x = 2y$ , we get  $n = 16$ . So the required ratio of number of black socks to the number of brown socks =  $1 : 4$ . Option 3.

**QNo:- 115 ,Correct Answer:- A**

**Explanation:-**

After the shares of Anita, Bimdu and Champa are reduced by Rs 10, Rs 20 and Rs 15 respectively, the remaining total =  $(1105 - 45) = \text{Rs } 1060$ .

Out of this, Champa's share =  $\text{Rs } 24/53 \times 1060 = \text{Rs } 480$ . So the original share of Champa =  $\text{Rs } 480 + 15 = \text{Rs } 495$ .

Hence, option A is the correct answer.

**QNo:- 116 ,Correct Answer:- B**

**Explanation:-**

Let the original time be  $t$  mins. If the distance travelled is same then ratio of times take is reciprocal of the speeds, so  $\frac{t+15}{t-10} = \frac{6}{4}$ ,  $t = 60$  mins. Now time taken at a speed 4 km/hr =  $t + 15 = 75$  mins =  $5/4$  hr. Distance travelled = speed  $\times$  time =  $4 \times 5/4 = 5$  km.  
Option 2.

---

**QNo:- 117 ,Correct Answer:- A**

**Explanation:-**

Going by the options, in the first option if the original speed of the train is 25 km/h then time taken to travel 300 km = 12 hrs. Now if the speed becomes 30 km/h then time taken will be 10 hrs. So this time 2 hrs will be saved as given in the question. So option 1 satisfies the given condition.

OR

Let the original speed be  $s$  km/hr and time taken be  $t$  hrs.

Hence,  $st = 300$

$\Rightarrow t = 300/s$  ----- (i)

and  $(s + 5)(t - 2) = 300$  ----- (ii)

Putting (i) in (ii), we get

$s = 25$  km/hr

Hence, option A is the correct answer.

**QNo:- 118 ,Correct Answer:- D**

**Explanation:-**

$SI = \frac{16000 \times 15}{100} = \text{Rs. } 2400.$

Interest for 2 yrs = Rs. 4800.

Total Amount =  $16000 + 4800 = \text{Rs. } 20800.$

Now,  $A = 20800 \left(1 + \frac{12}{100}\right)^2 \approx \text{Rs. } 26092,$

so Interest =  $(26092 - 20800) = \text{Rs. } 5292$

Total Interest =  $4800 + 5292 = \text{Rs. } 10092.$

Hence, option D is the correct answer.

---

**QNo:- 119 ,Correct Answer:- A**

**Explanation:-**

Mansi = Rs 42000 for 12 months. So total capital =  $12 \times 42000$

Kamya = Rs. 50000 for 5 months. So total capital =  $5 \times 50000$

Hence, profit ratio =  $42000 \times 12 : 50000 \times 5 = 252 : 125$

Total Profit = Rs. 30160

Therefore, Kamya's profit =  $125 \times 30160/377 = 125 \times 80 = \text{Rs. } 10000$

Hence, option A is the correct answer.

**QNo:- 120 ,Correct Answer:- B**

**Explanation:-**

Let the Principal be Rs.  $P$ . Rate = 12%. Time is 1 year

Amount after 1 year = Rs 10028

We know, Amount = Principal + Simple Interest

$\Rightarrow 10028 = P + P \times 1 \times 12/100$

$\Rightarrow P = \text{Rs. } 8953.6$

Now, after 3 months interest will be =  $8953 \times 3/12 \times 12/100 = \text{Rs. } 267$  (Approx)

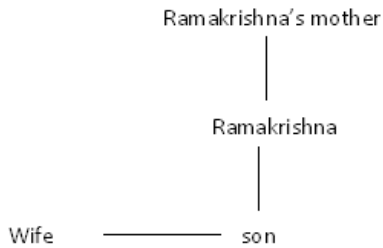
hence, the amount to be paid = Rs.  $8953.6 + \text{Rs. } 267 = \text{Rs. } 9220$

Hence, option B is the correct answer.

---

**QNo:- 121 ,Correct Answer:- B**

**Explanation:-**



Grandson of Ramakrishna's mother is actually the son of Ramakrishna.  
Thus, wife of that son will be Daughter-in-law of Ramakrishna.  
Hence, Ramakrishna is the Father-in-law of the girl.(option B)

**QNo:- 122 ,Correct Answer:- A**

**Explanation:-**

Elder brother of Ravi's father is Paternal uncle of Ravi.

The grand-daughter of that Uncle is Ravi's niece.(option A)

---

**QNo:- 123 ,Correct Answer:- B**

**Explanation:-**

Assertion is a statement saying that you strongly believe something to be true.Both the assertion and reason are true but just because Pakistan's intentions are not clear we cannot say that India should not enter into a pact with Pakistan.  
The reason is very subjective, we cannot say that intentions are not clear..we need to go through various factors for entering into pact with Pakistan.it falls into grey area.

**QNo:- 124 ,Correct Answer:- B**

**Explanation:-**

R is not the correct explanation of A. Presidential type of democracy does not mean political stability.( Presidential government is a type of government in which the president is constitutionally independent of the legislature)

---

**QNo:- 125 ,Correct Answer:- C**

**Explanation:-**

Giving freedom or autonomy to states does not mean that it will encourage separatist tendencies. Also if reason to give autonomy is justified then there is no harm in giving autonomy to states.Separist tendencies have nothing to do with the 'autonomy' as these kind of tendencies re due to resenment among the section of society or itn other words these are due to 'policy failure/ lack of political vision'.

**QNo:- 126 ,Correct Answer:- C**

**Explanation:-**

Making divorce laws more favorable to women would make them stand against any injustice done to them but this does not mean that more and more women will seek divorce.

---

**QNo:- 127 ,Correct Answer:- B**

**Explanation:-**

Option 2. The implied assumption is that it is undesirable to have a child brought up by one parent. Statement II is an inference drawn on the basis of given information, hence rejected.

**QNo:- 128 ,Correct Answer:- A**

**Explanation:-**

The assumption is that what implies to monkeys works for humans and hence people with lower intelligence in poor countries suffer from malnutrition and this is implicit. Other assumption is irrelevant because there is no mention of captive monkeys versus wild monkeys.

**QNo:- 129 ,Correct Answer:- C**

**Explanation:-**

A notification is issued by the department assuming that people will pay heed and as a result majority of them will pay their bills. Generally people are scared of penalties, that is why they will pay the bills. Hence both are implicit assumptions.

**QNo:- 130 ,Correct Answer:- C**

**Explanation:-**

Option C. When factories are moved outside the city, the pollution will decrease and the shifting of the factories/industries is possible if enough usable land is available. Hence both the assumptions are implicit.

**QNo:- 131 ,Correct Answer:- C**

**Explanation:-**

Option c. Both are implied assumptions. Unless they watch the quality of performance they will not be able to decide whether to issue tender specifications or not and company A definitely hopes that the non-issue clause would prompt suppliers to adhere to quality and have a professional approach.

**QNo:- 132 ,Correct Answer:- D**

**Explanation:-**

$$17 \times ? = 85$$

$$\text{and } 13 \times ? = 65$$

$$\text{Hence, } ? = 5$$

Option D is the correct answer.

**QNo:- 133 ,Correct Answer:- C**

**Explanation:-**

Applying BODMAS rule,

$$2 + 7 \times 16 - 1 - (9/3)$$

$$= 2 + 7 \times 16 - 1 - 3$$

$$= 2 + 112 - 1 - 3$$

$$= 114 - 1 - 3$$

$$= 114 - 4$$

$$= 110$$

Hence, option C is the correct answer.

**QNo:- 134 ,Correct Answer:- A**

**Explanation:-**

Each next term is 1/3rd of the previous term.

that is,  $162 \times \frac{1}{3} = 54$   
 $54 \times \frac{1}{3} = 18$   
 $18 \times \frac{1}{3} = 6$   
and  $6 \times \frac{1}{3} = 2$   
Thus, term after 6 will be 2.  
Hence, option A is the correct answer.

---

**QNo:- 135 ,Correct Answer:- A**

**Explanation:-**

The table should be read Row wise. The sum of the 2nd and 3rd value is equal to the 1st value in each row.  
That is in the First box.  $5 + 1 = 6$   
 $1 + 1 = 2$   
and  $2 + 2 = 4$   
Similarly in the second box, we get  
 $2 + 3 = 5$

Hence, option A is the correct answer.

**QNo:- 136 ,Correct Answer:- C**

**Explanation:-**

The code are as follows: Come = XLNV  
At = ZG  
Once = LMXV  
Father = UYGSVI  
Very = EVIB  
Ill = ROO  
Thus,  $m = N, o = L, t = G, h = S, e = V$  and  $r = I$   
Thus, Mother = NLGSVI  
Hence, option C is the correct answer.

---

**QNo:- 137 ,Correct Answer:- B**

**Explanation:-**

Going by the alphabetical series each letter is coded as the number given in the alphabetical series like  $A = 1, B = 2, C = 3$ , and so on.  
Thus,  $CONSTABLE = 3 + 15 + 14 + 19 + 20 + 1 + 2 + 12 + 5 = 91$   
Therefore,  $STABLE = 19 + 20 + 1 + 2 + 12 + 5 = 59$   
Hence, option B is the correct answer.

**QNo:- 138 ,Correct Answer:- C**

**Explanation:-**

$M = V + 1, V = J + 2, S = J + 1, M = S + 2, J = A + 2$

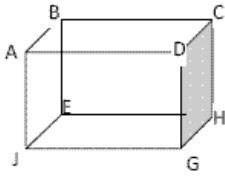
From above we can conclude,  
 $M > V, V > J, S > J, M > S, V > S, J > A$

Thus,  $M > V > S > J > A$   
Hence, option C is the correct answer.

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**QNo:- 139 ,Correct Answer:- C**

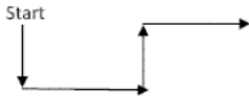
**Explanation:-**



Suppose, face ABCD = Red, CHGD = Green,  
EHGJ = Black,  
Then EBAJ should be Blue as it is between White & Brown. Thus, face opposite to Brown is White.

**QNo:- 140 ,Correct Answer:- C**

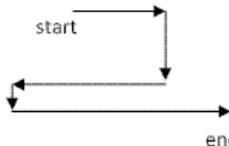
**Explanation:-**



Thus, at the end person is moving towards EAST.  
Hence, option C is the correct answer.

**QNo:- 141 ,Correct Answer:- C**

**Explanation:-**



Thus, man is walking towards EAST.

**QNo:- 142 ,Correct Answer:- D**

**Explanation:-**

The first numbers are increasing by 2, 3, 4, 5

That is  $5 + 2 = 7$

$7 + 3 = 10$

$10 + 4 = 14$

Thus,  $14 + 5 = 19$

Similarly, the number after the letter is increasing by 3, 4, 5, 6

That is  $7 + 3 = 10$

$10 + 4 = 14$

$14 + 5 = 19$

Thus,  $19 + 6 = 25$ .

Hence, the answer is 19K25.

Option D is the correct answer.

**QNo:- 143 ,Correct Answer:- C**

**Explanation:-**

The numbers in the middle are increasing by 6, 8, 10, and 12 and so on.

That is  $15 + 6 = 21$

Thus  $21 + 8 = 29$ .

$29 + 10 = 39$

$39 + 12 = 51$

Also there is a gap of one letter between second letter of the previous figure and first letter of the next figure.

That is after N there should be a gap of 1 letter and P should come in the next figure.

Hence, the answer should be P29Q.

Option C is the correct answer.

**QNo:- 144 ,Correct Answer:- C**

**Explanation:-**

Check only for the number in middle, as alphabets in the choices are same. The numbers are prime numbers 11, 13, 17, 19, 23.  
So, P13R

**QNo:- 145 ,Correct Answer:- C**

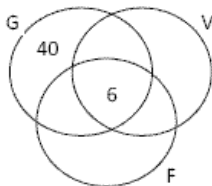
**Explanation:-**

Just look at the alphabets. Alphabets are placed alternatively in each figures.

That is A B C D E F G H I J K L M N O P Q R S

Hence, option C is the correct answer.

**QNo:- 146 ,Correct Answer:- C**

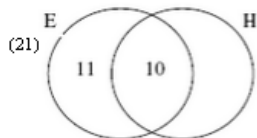
**Explanation:-**

The number of musicians, who play exactly two instruments = 30.

The number of musicians, who play only violin + only flute = Total – (number of exactly two + number of all three + only Guitar) =  $120 - 30 - 6 - 40 = 44$

Hence, option C is the correct answer.

**QNo:- 147 ,Correct Answer:- A**

**Explanation:-**

Only English =  $21 - 10 = 11$

Only Hindi = Total – only English – both Hindi & English

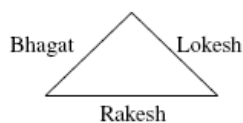
=  $50 - 11 - 10 = 29$

Hindi = only Hindi + both Hindi & English

=  $29 + 10 = 39$

Hence, option A is the correct answer.

**QNo:- 148 ,Correct Answer:- B**

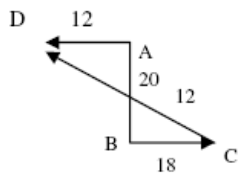
**Explanation:-**

Thus Bhagat, Lokesh and Rakesh are now at the centre of each side of the triangle and their direction w.r.t. each other can be checked where Rakesh is to the south-west of Lokesh.

**QNo:- 149 ,Correct Answer:- B**

**Explanation:-**





Thus, Raj is towards North – West w.r.t. starting point.

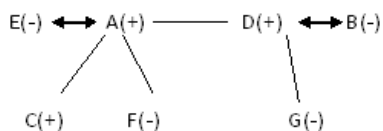
**QNo:- 150 ,Correct Answer:- A**

**Explanation:-**

3 8 4 1 5 7 2 8 3 4 8 9 3 9 4 2 1 5 8 2 There are only two numbers, which satisfy the required conditions.

**QNo:- 151 ,Correct Answer:- D**

**Explanation:-**



Females are F, G, Males are A, D. Since, D is married to B, then E must be married to A & E must be his wife, so E is female. When G is child of B & D, so, F & C must be children of A & E. Since F and G are females. Therefore, C will be A's son. Hence, option D is the correct answer.

**QNo:- 152 ,Correct Answer:- A**

**Explanation:-**

Let the distance travelled by taxi be  $x$  km and by car be  $y$  km.

So,  $x + y = 80$  ----- (i)

and  $15x + 5y = 500$

$\Rightarrow 3x + y = 100$  ----- (ii)

Solving both the equations we get

$x = 10$

Hence, the distance travelled by taxi is 10km

Option A is the correct answer.

**QNo:- 153 ,Correct Answer:- C**

**Explanation:-**

Suppose the number of girls =  $G$  Then number of boys =  $3G$

So, the number of students in the class =  $B + G = 3G + G = 4G$

Hence, the total number must be a multiple of 4.

There is only one choice, which is not the multiple of 4 i.e. 42

Hence, the option C is the correct answer.

**QNo:- 154 ,Correct Answer:- C**

**Explanation:-**

Suppose money with Ramu is  $M$ . Money with Ravi is  $M + 3$ .

After winning the race, Ramu has =  $3M$ . Thus,  $3M = 2 + 2M + 3$

$\Rightarrow M = 5$ . Total money is  $5 + (5+3) = 13$

**QNo:- 155 ,Correct Answer:- B**

**Explanation:-**

Use answer options only 301 is a multiple of 7. Hence, to check that the man has 301 boxes to pack into parcels which satisfies both the conditions. If he packs 3, 4, 5 or 6 in a parcel, he is left with one box; if he packs 7 in a parcel, none is left over.

Option B is the correct answer.

**QNo:- 156 ,Correct Answer:- A**

**Explanation:-**

7<sup>th</sup> day should be Tuesday as Tuesday is 3 days before Friday. Then 14<sup>th</sup> and 21<sup>st</sup> are also Tuesday. Therefore, 19<sup>th</sup> should be a Sunday.

---

**QNo:- 157 ,Correct Answer:- C**

**Explanation:-**

Basically, you will not change the position of the car when consecutive dates are either both odd or both even. The 'Both Even' option does not exist. The both odd option exists whenever the last date of the month is odd.

For a non-leap year, there are 7 months: Jan, Mar, May, Jul, Aug, Oct and Dec which end in 31 – an odd date. So answer should have been 7. But on 31-Dec I would have to change the car position, the date of relaxation would be on 1-Jan, which falls in the next calendar year. Here we have another twist, on 1-Jan of the same calendar year, you would not need to change car positions. Hence the answer still remains 7.

**QNo:- 158 ,Correct Answer:- B**

**Explanation:-**

Try by choices.

$X + Y - M$

$X + Y = X$  is the father of Y.  $Y - M = Y$  is the sister of M. Hence, X will be father of M. Not true.

$X \times Y + M$

$X \times Y = X$  is brother of Y.  $Y + M = Y$  is father of M. Thus, X should be uncle of M. True.

$X + Y \times M$

$X + Y = X$  is the father of Y.  $Y \times M = Y$  is the brother of M. Hence, X will be father of M. Not true.

Hence, option B is the correct answer.

---

**QNo:- 159 ,Correct Answer:- D**

**Explanation:-**

**Bengalis:** politicians, poets, warriors, businessmen

**Tamils:** politicians, poets, warriors, mathematicians

**Punjabis:** politicians, warriors, mathematicians, businessmen

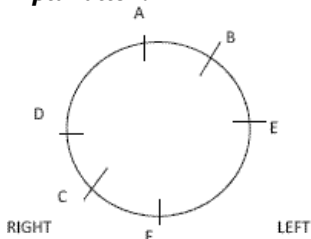
**Gujratis:** politicians, mathematicians, businessmen, poets.

**Kashmiris:** businessmen, poets, mathematicians, warriors.

Option D is the correct answer.

**QNo:- 160 ,Correct Answer:- D**

**Explanation:-**



Hence, option D is the correct answer.

---

**QNo:- 161 ,Correct Answer:- A**

**Explanation:-**

For point A, refer to line 1, 2 of last Para,

For point B, refer to line 1 of Para 2

For point C, refer to line 1 of last para.

**QNo:- 162 ,Correct Answer:- B**

**Explanation:-**

Option 2. Refer to last four lines of Para 1, we think for.....products.

---

**QNo:- 163 ,Correct Answer:- D**

**Explanation:-**

The entire passage talks about Hyundai and its performance. It mentions various persons working with Hyundai like David Zuchowski and John Krafeik.

None of the other three options are being discussed.

**QNo:- 164 ,Correct Answer:- B**

**Explanation:-**

If US stopped buying cars from South Korea how would Hyundai sell more cars in the US? Further there is no mention of South Korea directly in the passage.

For option 1 refer to first paragraph last line "and we think....."

For option 3 refer to second para ,third line "hyundai expects ....."

For option 4 refer to para 1 line 6 "we think for sure....."

---

**QNo:- 165 ,Correct Answer:- D**

**Explanation:-**

For I refer to the line 5 of Para 2 "The growth in communication ..... " which is not talking about any static growth. The keyword is plateau...i.e up and down

For II and III refer to line 9 of Para 2. "Not all the excess labour ..... So, industry/manufacturing will still be ..... high growth path."

So II and III are correct.

**QNo:- 166 ,Correct Answer:- B**

**Explanation:-**

Last 4-5 lines of the passage states that a healthy growth in manufacturing and agriculture is required to generate the demand that will sustain services on a high growth path.

---

**QNo:- 167 ,Correct Answer:- D**

**Explanation:-**

Refer to last few lines of the passage ,it talks about the services sector and then the importance of agriculture and manufacturing for growth of the services sector.

**QNo:- 168 ,Correct Answer:- A**

**Explanation:-**

Option 1. We cannot infer whether Bihar has shown the maximum growth in the country. All the other three are mentioned in the passage.

---

**QNo:- 169 ,Correct Answer:- B**

**Explanation:-**

Option B. The last sentence "in case of....." confirms the statement A ,while line 8 of the passage "We find evidence

that.....does not allow instantaneous information dissemination" confirms point C. The passage states that Reliance Power shows asymmetric behaviour which is different from the other stocks. Hence statement B is incorrect.

**QNo:- 170 ,Correct Answer:- D**

**Explanation:-**

Option D. Past returns cause trading volume, hence option 1 is incorrect. Trading volume depends largely on past returns is mentioned in 9th line of the passage. The passage talks about unconditional volatility and not only volatility. Hence option 3 is ruled out. The passage does state that the results are supported by variance decomposition which means variance decomposition has a relation with trading volume. There is no mention of correlation between trading returns and future trends in the service sector.

---

**QNo:- 171 ,Correct Answer:- B**

**Explanation:-**

Option B. This is one of the points not talked about anywhere in the passage.

**QNo:- 172 ,Correct Answer:- C**

**Explanation:-**

Option 1 is correct ,refer to 5th last line of the para 'any shock....."

Option 2 is correct , refer to the last 3 lines of the paragraph.

For option 4 refer to line 10 of the para "The state of.....decomposition"

Option 3 is false because of the word symmetric, refer to line 6 of the paragraph, the word mentioned is 'asymmetric'.

---

**QNo:- 173 ,Correct Answer:- A**

**Explanation:-**

Option 1. All three statements are mentioned in the last paragraph.

**QNo:- 174 ,Correct Answer:- B**

**Explanation:-**

Option 2. The first 2 paragraphs lead us to this inference.

---

**QNo:- 175 ,Correct Answer:- D**

**Explanation:-**

Option 4. The world recession can be inferred from the talk about the financial collapse of late 2008. Iceland's defaulting is the main topic under discussion. To stop the revolt which might take place, the Iceland's President has announced a national referendum for a clear national verdict. Hence both options 2 and 3 can be justified. But nowhere extension of loans by UK and Netherlands has been discussed.

**QNo:- 176 ,Correct Answer:- A**

**Explanation:-**

Icelanders have not revolted literally, they have just protested against the repayment of the loans. Revolt is too heavy a word for this situation. Hence option 1 is incorrect. The other 3 options are mentioned in the passage.

---

**QNo:- 177 ,Correct Answer:- A**

**Explanation:-**

For point A refer 1st para.

for point B refer to line 2 & 3 of 1st para.

for point C refer to line 2 of second paragraph.

for point D refer to line 13 of second paragraph.

**QNo:- 178 ,Correct Answer:- B**

**Explanation:-**

8th line 2nd para : Even on the bourses, Tata Steel, JSW Steel, Sterlite and SAIL have outperformed the broader markets with gains of around 55% in the quarter ended December and the BSE Metal Index too outperformed the Sensex. Despite the global slowdown, demand for steel in the domestic market remained strong due to the quick recovery in the automobile industry and government spending on infrastructure projects.

---

**QNo:- 179 ,Correct Answer:- B**

**Explanation:-**

2nd line 2nd paragraph: The passage states that production decreased by 40% as the demand dropped significantly.

**QNo:- 180 ,Correct Answer:- C**

**Explanation:-**

Option 3. Refer to line 11 para 2 " Even on bourses ..... BSE Metal Index too outperformed the Sensex."

---

**QNo:- 181 ,Correct Answer:- D**

**Explanation:-**

Option 1 is wrong because of 'expect they will be'.

Option 2 is wrong because it changes the meaning by including the term 'human behaviour'.

Both the options 3 and 4 are right, but 4 is more concise and clear.

**QNo:- 182 ,Correct Answer:- C**

**Explanation:-**

Option C because the correct cause and effect relationship is shown.

Option 1 is wrong as singular subject 'foreign policy', the verb should be 'does'.

Option 2 wrongly uses 'it's' in place of 'its'.

Option 4 is also wrong as singular helping verb 'makes' should come in place of 'make' which is plural.

---

**QNo:- 183 ,Correct Answer:- D**

**Explanation:-**

Since the subject is 'jury'- a singular noun (behaving here)- plural verb have cannot be used for it. So both options 1 and 2 are wrong.

Option 3 is unnecessarily wordy.

**QNo:- 184 ,Correct Answer:- D**

**Explanation:-**

The two parts of a sentence should have contrast idea because of the key word " despite". Option 1, 2 do not convey this contrast idea.

Option C uses despite of, which is wrong. Its always despite and 'of' is placed with in spite.

Only option D conveys the contrast .

---

**QNo:- 185 ,Correct Answer:- C**

**Explanation:-**

Sentence C opens the theme of the paragraph i.e introduction of para, hence should be the opening.

B follows A because it is talking about ( the critical difference between large and small screen mentioned in A)

D follows B because it states one more impact.

E concludes the above statements...using (therefore)

**QNo:- 186 ,Correct Answer:- C**

**Explanation:-**

C is the opening sentence because it is independent and the whole paragraph revolves around "disciplinary wall"

A is the second statement because the crossover is used for the first sentence(crossover is the keyword)

B is a dependent statement which talks about criss cross which have been talked about in the preceding statement.

E is the effect of statement A ( The keyword is " this has led to" )

D is the conclusion of all the statement..it is the closing statement. it talks about the revision of view which all statements talk about.

---

**QNo:- 187 ,Correct Answer:- A**

**Explanation:-**

D is the opening sentence because it introduces GM and defines it.It states the importance of GM's in curing ills of developing countries.

A follows because in the first statement, there was the mention of developing countries(keyword is AFRICA) which is a developing country.

C is the effect of A. keyword is ' its long term consequences'.the consequences refer to bringing up GM's in worldwide circulation.

B talks about the farmers and their protest on GM's, which is a long term consequence which adds to C statement.

E is the closing sentence which states additional problem which hinders the growth of GM foods in a developing country and makes the conclusion bright.

**QNo:- 188 ,Correct Answer:- C**

**Explanation:-**

B is the opening sentence,it states the carbon footprints of developing nations in the atmosphere which has become a serious concern.

C is talking about the immediate cause of DEBATE mentioned in the opening sentence (size of carbon footprints)

D adds to the triggers of this debate.

A is the example of the statement D as one of the factors mentioned

E phrase is used in E.....So A will come first and E will come in the end as it has a phrase which concludes the para.

---

**QNo:- 189 ,Correct Answer:- B**

**Explanation:-**

The interest of the country is more important than the international policies it finalises. No other answer options makes sense.

**QNo:- 190 ,Correct Answer:- A**

**Explanation:-**

Option 1. We say ethical debate rather than moral debate. Twilight zone means the ambiguous region between two categories or states or conditions

---

**QNo:- 191 ,Correct Answer:- A**

**Explanation:-**

Here the first blank can be filled by all the four options.

However necessary and lightweight cannot fit the 2<sup>nd</sup> blank.

Elementary means - of or being the essential or basic part, hence we rule out option 3.

Trivial means of little value or importance.it fits the best in the blank

**QNo:- 192 ,Correct Answer:- C**

**Explanation:-**

A footnote is a short piece of text, often numbered, placed at the bottom of a printed page, that adds a comment, citation, reference. Here the word exciting used with however means that the footnotes are not interesting.

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**QNo:- 193 ,Correct Answer:- A**

**Explanation:-**

There is no mention in the question of what option A states as 'moderation' is required only if the stated quality/matter/noun is going to be harmful in long/short run and there is no hint of this sort is given regarding trade unionism.

**QNo:- 194 ,Correct Answer:- D**

**Explanation:-**

It contradicts the first sentence of the paragraph.i.e capitalism and neo colonialism feed upon each other.

---

**QNo:- 195 ,Correct Answer:- D**

**Explanation:-**

The word her does not have an antecedent as Edith Wharton is not mentioned as a noun but as an adjective **Edith Wharton's** novel.

**QNo:- 196 ,Correct Answer:- D**

**Explanation:-**

The pronoun SHE is ambiguous as we are not sure whether it is for Diana or Michelle....

---

**QNo:- 197 ,Correct Answer:- C**

**Explanation:-**

Option 3. The pronoun here is one, hence everywhere the same pronoun needs to be repeated. It should be 'one doesn't' instead of 'you don't'.

**QNo:- 198 ,Correct Answer:- C**

**Explanation:-**

'has' resulted as the subject is 'philosophy', which is singular.

---

**QNo:- 199 ,Correct Answer:- C**

**Explanation:-**

To enforce is the correct usage."ed ' is not used with "to"

**QNo:- 200 ,Correct Answer:- D**

**Explanation:-**

Affect should be used instead of effect. Affect is a verb and effect is a noun

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