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Lab Assistant Paper (2017)

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Question Paper Preview

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	LAB ASSISTANT
Subject Name:	Lab Assistant
Creation Date:	2018-01-12 15:16:12
Duration:	150
Total Marks:	100
Display Marks:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

LAB ASSISTANT

Group Number :	1
Group Id :	50137337
Group Maximum Duration :	0
Group Minimum Duration :	150
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	100

Unit I

Section Id :	50137376
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	501373132
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 5013733464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

निम्नलिखित शब्दों में से 'तत्सम' शब्द को पहचानिए।

Options :

1. ✘ दही
2. ✔ उष्ट्र
3. ✘ रात
4. ✘ बन्दर

Question Number : 2 Question Id : 5013733465 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

निम्नलिखित शब्दों में से 'तद्भव' शब्द को पहचानिए।

Options :

1. ✘ आलोचक
2. ✔ चाँद
3. ✘ सूर्य
4. ✘ अग्नि

Question Number : 3 Question Id : 5013733466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

सरोवर में कमल खिले हैं। रेखांकित शब्द का पर्यायवाची शब्द बताइए।

Options :

1. ✘ काक
2. ✔ राजीव
3. ✘ विष्णुप्रिया
4. ✘ वनप्रिय

Question Number : 4 Question Id : 5013733467 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

कौन सा शब्द 'घर' का पर्यायवाची नहीं है?

Options :

1. ✓ सुधाकर
2. ✗ सदन
3. ✗ निकेतन
4. ✗ आवास

Question Number : 5 Question Id : 5013733468 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

'सूर्योदय' शब्द का विलोम बताइए।

Options :

1. ✗ प्रातः काल
2. ✗ साँझ
3. ✗ शाम
4. ✓ सूर्यास्त

Question Number : 6 Question Id : 5013733469 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

'मोहन ने मोहक मुस्कान से अपनी माँ का दिल मोह लिया'। प्रस्तुत पंक्ति में कौन सा अलंकार है?

Options :

1. ✗ उत्प्रेक्षा
2. ✗ श्लेष
3. ✓ अनुप्रास
4. ✗ उपमा

Question Number : 7 Question Id : 5013733470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

'राज्याभिषेक' का संधि विच्छेद होगा:

Options :

1. ✘ राज्या + भिषक
2. ✘ राज + अभिषेक
3. ✘ राज्य + अभीषेक
4. ✔ राज्य + अभिषेक

Question Number : 8 Question Id : 5013733471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

'महाभारत की लड़ाई में श्रीकृष्ण अर्जुन के रथचालक थे।' प्रस्तुत पंक्ति में रेखांकित शब्द का समास होगा:

Options :

1. ✘ अव्ययीभाव समास
2. ✘ द्विगु समास
3. ✔ तत्पुरुष समास
4. ✘ कर्मधारय समास

Question Number : 9 Question Id : 5013733472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

'जो बहुत जानता है' के लिए एक शब्द होगा:

Options :

1. ✔ बहुज्ञ
2. ✘ अज्ञ
3. ✘ अल्पज्ञ
4. ✘ अनभिज्ञ

Question Number : 10 Question Id : 5013733473 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

‘मैं और मेरी माँ घूमने का गया था।’ प्रस्तुत पंक्ति में अशुद्ध अंश होगा:

Options :

1. ✘ मैं
2. ✘ और मेरी माँ
3. ✘ घूमने
4. ✔ का गया था

Sub-Section Number: 2
Sub-Section Id: 501373133
Question Shuffling Allowed : Yes

Question Number : 11 Question Id : 5013733474 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fill in the blanks in the sentence below with suitable articles. Choose your answer from the given options.

_____ few miles south of the U.S.-Canadian border, _____ Brule River flows through Minnesota's Judge C. R. Magney State Park, where it drops 800 feet in _____ 8-mile span, creating several waterfalls.

Options :

1. ✘ A, a, an
2. ✔ A, the, an
3. ✘ The, a, an
4. ✘ A, the, a

Question Number : 12 Question Id : 5013733475 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fill in the blanks in the sentence below with suitable articles. Choose your answer from the given options.

_____ mile and _____ half north of the shore of Lake Superior, _____ thick knuckle of rhyolite rock juts out, dividing the river dramatically at the crest of the falls.

Options :

1. ✔ A, a, a

2. ✘ A, an, a

3. ✘ A, the, a

4. ✘ A, a, the

Question Number : 13 Question Id : 5013733476 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fill in the blank in the sentence below with a suitable preposition. Choose your answer from the given options.

With the tiny screen bouncing around in front of us, tinny sound quality and frequent interruptions, watching a movie _____ a flight is hardly an immersive experience.

Options :

1. ✘ from

2. ✘ within

3. ✘ while

4. ✔ during

Question Number : 14 Question Id : 5013733477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fill in the blank in the sentence below with a suitable preposition. Choose your answer from the given options.

In April 1972, a poodle in Canada produced a litter _____ four.

Options :

1. ✔ of

2. ✘ on

3. ✘ off

4. ✘ with

Question Number : 15 Question Id : 5013733478 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Fill in the blank in the sentence below with a suitable modal verb. Choose your answer from the given options.

A new survey by Gatwick Airport in London found that 15% of men and 6% of women said they were more likely to cry when watching a film on a flight than they _____ if seeing it at home.

Options :

1. ✘ could
2. ✘ may
3. ✔ would
4. ✘ can

Question Number : 16 Question Id : 5013733479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A sentence is given in four parts as options. One of the parts has an error of grammar or syntax. Choose the option that has the error.

Options :

1. ✘ In the middle of a Russian swampland,
2. ✘ not far from the city of St Petersburg, is a rectangular iron gate
3. ✘ and beyond its rusted bars is a collection of radio towers,
4. ✔ abandoning buildings and power lines bordered by a dry-stone wall.

Question Number : 17 Question Id : 5013733480 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In the sentences given below, choose the one where the pronoun is used correctly.

Options :

1. ✘
The Indian Khichdi, whomever we eat at least twice a week, is now one of the favourite meals of many all over the world.
2. ✔
The Indian Khichdi, which we eat at least twice a week, is now one of the favourite meals of many all over the world.
3. ✘
The Indian Khichdi, who we eat at least twice a week, is now one of the favourite meals of many all over the world.
4. ✘
The Indian Khichdi, whom we eat at least twice a week, is now one of the favourite meals of many all over the world.

Question Number : 18 Question Id : 5013733481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

From the options given below, fill in the blank with the correct relative pronoun.

I am looking for someone _____ can water my garden while I go on holiday.

Options :

1. ✘ whomever
2. ✘ that
3. ✔ who
4. ✘ whichever

Question Number : 19 Question Id : 5013733482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

From the options given below, fill in the blank with the correct adjective.

Ashutosh has come up with some _____ new ideas to save the earth from being polluted.

Options :

1. ✘ creativity
2. ✘ creation
3. ✔ creative
4. ✘ create

Question Number : 20 Question Id : 5013733483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

From the options given below choose the correct idiom to fill in the blank.

The issue of paying GST is a political _____ all over India.

Options :

1. ✘ hot soup
2. ✘ hot coal
3. ✔ hot potato
4. ✘ hot temper

Section Id :

Unit II
50137377

Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	30
Number of Questions to be attempted:	30
Section Marks:	30
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	501373134
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 5013733484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is related to the third term in the same way as the second term is related to the first term.

Bird : Wings :: Fish : ?

Options :

- ✓ Fins
- ✗ Gills
- ✗ Scales
- ✗ Swims

Question Number : 22 Question Id : 5013733485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is related to the third term in the same way as the second term is related to the first term.

Summer : Day :: Winter : ?

Options :

- ✗ Morning
- ✗ Fog
- ✗ Cold
- ✓ Night

Question Number : 23 Question Id : 5013733486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In a row of girls, Nanda is eighth from the left and Chanda is nineteenth from the right. When Nanda and Chanda interchange their positions, Chanda becomes twenty-third from the right. How many girls are there in the row?

Options :

1. ✘ 21
2. ✘ 27
3. ✔ 30
4. ✘ 31

Question Number : 24 Question Id : 5013733487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is related to the third term in the same way as the second term is related to the first term.

GIKM : HJLN :: PRTV : ?

Options :

1. ✘ QSTU
2. ✔ QSUW
3. ✘ NOSW
4. ✘ QSUX

Question Number : 25 Question Id : 5013733488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is related to the third term in the same way as the second term is related to the first term.

9637 : 6488 :: 5408 : ?

Options :

1. ✘ 8756
2. ✔ 8567
3. ✘ 5678
4. ✘ 8765

Question Number : 26 Question Id : 5013733489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is related to the third term in the same way as the second term is related to the first term.

12 : 30 :: 16 : ?

Options :

1. ✘ 48
2. ✘ 32
3. ✔ 40
4. ✘ 36

Question Number : 27 Question Id : 5013733490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The difference between the place values of '4' and '2' in the number 833749502 is:

Options :

1. ✘ 39098
2. ✔ 39998
3. ✘ 49998
4. ✘ 30098

Question Number : 28 Question Id : 5013733491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is different from the remaining three options.

Options :

1. ✘ Tea
2. ✘ Coffee
3. ✘ Lemonade
4. ✔ Cheese

Question Number : 29 Question Id : 5013733492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Select the option that is different from the remaining three options.

Options :

1. ✓ AYBZ
2. ✗ CXWD
3. ✗ EVUF
4. ✗ GTSH

Question Number : 30 Question Id : 5013733493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Ayaan is Rehaan's mother's sister's father's only son's son. How is Ayaan related to Rehaan?

Options :

1. ✓ Uncle
2. ✗ Nephew
3. ✗ Cousin
4. ✗ Son

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Question Number : 31 Question Id : 5013733494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Take the given statements as true even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

Statements: All socks are shoes.
Some shoes are black.

Conclusions: I. Some shoes are socks.
II. No socks is black.

Options :

1. ✓ Only conclusion I can be drawn.
2. ✗ Only conclusion II can be drawn.
3. ✗ Both conclusions I and II can be drawn.
4. ✗ Neither conclusion I nor conclusion II can be drawn.

Question Number : 32 Question Id : 5013733495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

From the given options, select the one that does exact reproduction of the name and address given below.

Shri. Pratham Shetty
N-31, Riviera Apartment,
Sea Bay Road, Panvel,
New Mumbai
PIN – 400 178

Options :

1. ✘ Shri. Partham Shetty
N-31, Riviera Apartment,
Sea Bay Road, Penvel,
New Mumbai
PIN – 400 178

2. ✘ Shri. Pratham Shetly
N-31, Riviera Apartment,
Sea Bay Road, Panvel,
New Mumbra
PIN – 400 178

3. ✔ Shri. Pratham Shetty
N-31, Riviera Apartment,
Sea Bay Road, Panvel,
New Mumbai
PIN – 400 178

4. ✘ Shri. Pratham Shetty
N-31, Riveira Apartment,
Sea Bay Road, Panvel,
New Mumbai
PIN – 400 178

Question Number : 33 Question Id : 5013733496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Some equations given below are solved on the basis of a certain system. On the same basis find out the correct answer from among the four options for the unsolved equation.

$$12 \times 4 = 64$$
$$14 \times 5 = 95$$
$$16 \times 7 = ?$$

Options :

1. ✘ 112

2. ✔ 161

3. ✖ 159

4. ✖ 81

Question Number : 34 Question Id : 5013733497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Arrange the given words in a logical sequence, from smallest to biggest (according to their size), and then choose the most appropriate sequence from among the options provided below.

1. Jug
2. Mug
3. Bucket
4. Drum
5. Cup

Options :

1. ✔ 5, 2, 1, 3, 4

2. ✖ 1, 5, 3, 2, 4

3. ✖ 5, 2, 3, 1, 4

4. ✖ 5, 2, 4, 3, 1

Question Number : 35 Question Id : 5013733498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If in a certain code language, 'PRINT' is written as '34825' and 'TRUE' is written as '5479'. Then, how will 'TENURE' be written in that language?

Options :

1. ✖ 592849

2. ✖ 572947

3. ✔ 592749

4. ✖ 524742

Sub-Section Number: 2
Sub-Section Id: 501373135
Question Shuffling Allowed : Yes

Question Number : 36 Question Id : 5013733499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A natural number, when divided by 3, 4, 5, 6 and 7 respectively, leaves corresponding remainders of 2, 3, 4, 5 and 6. What is the smallest of all such numbers fulfilling the above condition?

Options :

1. ✘ 2519
2. ✔ 419
3. ✘ 209
4. ✘ 839

Question Number : 37 Question Id : 5013733500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

44 pipes can fill a large water tank in 27 hours. How many hours will it take for 66 pipes to fill four such tanks?

Options :

1. ✔ 72
2. ✘ 54
3. ✘ 63
4. ✘ 84

Question Number : 38 Question Id : 5013733501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The average of the marks obtained by three girls in a test was twice the average of the marks obtained by eight boys in that test. If the total marks obtained by all these examinees was 168, find the average marks each of the girls obtained.

Options :

1. ✘ 25
2. ✘ 12
3. ✔ 24
4. ✘ 14

Question Number : 39 Question Id : 5013733502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

23% of a bucket full of diluted milk was water. If the quantity of pure milk in the bucket was 15.4 l, then the capacity of the bucket was:

Options :

1. ✓ 20 l
2. ✗ 22 l
3. ✗ 20.9 l
4. ✗ 19.8 l

Question Number : 40 Question Id : 5013733503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Selling a pack of incense sticks for ₹ 136 resulted in a loss of 15%. To make a profit of 10%, the selling price should be:

Options :

1. ✗ ₹ 160
2. ✓ ₹ 176
3. ✗ ₹ 170
4. ✗ ₹ 149.60

Question Number : 41 Question Id : 5013733504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A bag contains red, blue and black balls. The ratio of red to blue balls is 3 : 5. The ratio of black to red balls is 3 : 4. What is the ratio of blue to black balls?

Options :

1. ✗ 5 : 3
2. ✗ 4 : 5
3. ✗ 9 : 20
4. ✓ 20 : 9

Question Number : 42 Question Id : 5013733505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A sum of money was invested at a certain rate of simple interest for 4 years. Had the sum been invested at a rate 3% higher than the actual rate, the interest earned would have been ₹ 720 more. Find the sum initially invested.

Options :

1. ✗ ₹ 24000

2. ✘ ₹ 18000

3. ✔ ₹ 6000

4. ✘ ₹ 5400

Question Number : 43 Question Id : 5013733506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Starting from the same point at the same time, Ruhan and Yuvan had to reach the same destination. While Ruhan drove at 45 km/hr, Yuvan was slower by 5 km/hr. If Yuvan arrived at the destination an hour after Ruhan did, the distance covered by each, in kilometres, was:

Options :

1. ✘ 180

2. ✘ 420

3. ✘ 225

4. ✔ 360

Question Number : 44 Question Id : 5013733507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Raman mixed 8 kg of one variety of wheat with 12 kg of another. If the cost per kg of the two varieties were in the ratio 3 : 2, what should be the ratio of the selling price of the blended wheat per kg to that of the cost price of the superior variety of wheat per kg so that Raman makes an overall profit of 25%?

Options :

1. ✔ 1 : 1

2. ✘ 5 : 4

3. ✘ 4 : 3

4. ✘ 4 : 5

Question Number : 45 Question Id : 5013733508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The difference in the lengths of the shadows of a 10 m high pole when the angles of elevation of the sun are 30° and 60° is:

Options :

1. ✔ $\frac{20\sqrt{3}}{3}$ m

2. ✘ $10\sqrt{3}$ m

3. ✘ $\frac{10\sqrt{3}}{3}$ m

4. ✘ 10 m

Question Number : 46 Question Id : 5013733509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The number of natural numbers less than 100 which have exactly 3 factors is:

Options :

1. ✘ 10

2. ✔ 4

3. ✘ 12

4. ✘ 33

Question Number : 47 Question Id : 5013733510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Ram could complete a job alone in 6 days but Sunil would take thrice the time to do it alone. They started the work together but Ram had to leave a few days before the completion of the work and Sunil had to complete the remaining task by himself. If, as a result, it took 6.75 days in all to complete the job, for how many days did the duo work together?

Options :

1. ✘ 4.50

2. ✔ 3.75

3. ✘ 3

4. ✘ 5.25

Question Number : 48 Question Id : 5013733511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

While going from A to B, Rahman drove at 40 km an hour but while coming back he drove at only 24 km an hour. What was the average speed (in km/hr) at which he drove?

Options :

1. ✘ 31

2. ✓ 30

3. ✗ 32

4. ✗ 33

Question Number : 49 Question Id : 5013733512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If x is 15% of y and y is 40% of z , then $x + y$ is _____ % of z .

Options :

1. ✗ 6

2. ✗ 21

3. ✓ 46

4. ✗ 55

Question Number : 50 Question Id : 5013733513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The cost price of 20 articles is equal to the selling price of 16 articles. Find the gain or loss percent.

Options :

1. ✗ 20% gain

2. ✗ 20% loss

3. ✗ 25% loss

4. ✓ 25% gain

	Unit III
Section Id :	50137378
Section Number :	3
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number: 1
Sub-Section Id: 501373136
Question Shuffling Allowed : Yes

Question Number : 51 Question Id : 5013733514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following former Judges of Supreme Court has been re-elected as a Judge of International Court of Justice?

Options :

1. ✘ Vikramajit Sen
2. ✘ M. Y. Eqbal
3. ✔ Dalveer Bhandari
4. ✘ C. K. Prasad

Question Number : 52 Question Id : 5013733515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following has been appointed as the Chairman of the Film and Television Institute of India (FTII), Pune?

Options :

1. ✘ Kailash Kher
2. ✘ Sikandar Kher
3. ✘ Kirron Kher
4. ✔ Anupam Kher

Question Number : 53 Question Id : 5013733516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following has been appointed as the Governor of Assam in September 2017?

Options :

1. ✘ Praful Khoda Patel
2. ✘ Mridula Sinha

3. ✓ Jagdish Mukhi

4. ✗ N. N. Vohra

Question Number : 54 Question Id : 5013733517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following is the only classical dance of India having links with Muslim culture and represents a unique synthesis of Hindu and Muslim genius in art?

Options :

1. ✗ Bharatnatyam

2. ✓ Kathak

3. ✗ Kathakali

4. ✗ Kuchipudi

Question Number : 55 Question Id : 5013733518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following dance forms was introduced by the great Vaishnava saint and reformer Mahapurusha Sankaradeva?

Options :

1. ✗ Mohiniyattam

2. ✗ Odissi

3. ✓ Sattriya

4. ✗ Manipuri

Question Number : 56 Question Id : 5013733519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Atmospheric pressure at sea level equals:

Options :

1. ✗ 1.01×10^7 Pascal

2. ✓ 1.01×10^5 Pascal

3. ✘ 1.01×10^6 Pascal

4. ✘ 1.01×10^9 Pascal

Question Number : 57 Question Id : 5013733520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which among the following is the SI unit of Force?

Options :

1. ✘ Mole

2. ✔ Newton

3. ✘ Kelvin

4. ✘ Ampere

Question Number : 58 Question Id : 5013733521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following was the first recipient of Nobel Prize in Physics?

Options :

1. ✘ Hendrik Antoon Lorentz and Pieter Zeeman

2. ✔ Wilhelm Conrad Röntgen

3. ✘ Antoine Henri Becquerel

4. ✘ Pierre Curie and Marie Curie

Question Number : 59 Question Id : 5013733522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following was the first recipient of INSA Vainu Bappu Memorial Award?

Options :

1. ✘ Vikram Vishal

2. ✘ S Venkatraman

3. ✔ S Chandrasekhar

4. ✖ Asim Punia

Question Number : 60 Question Id : 5013733523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The GST slab for food services and restaurants (except those in star hotels) has been revised to _____ at the 23rd meeting of the GST Council.

Options :

1. ✖ 18%

2. ✖ 12%

3. ✔ 5%

4. ✖ 21%

Question Number : 61 Question Id : 5013733524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following is responsible for preparation of National Income estimates in India?

Options :

1. ✖ NITI Ayog

2. ✖ Planning Commission

3. ✔ Central Statistical Organisation

4. ✖ IRDA

Question Number : 62 Question Id : 5013733525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following players has the distinction of scoring most number of runs (as of December 2017) as the Captain of India's Test Team?

Options :

1. ✖ Sunil Gavaskar

2. ✖ Sourav Ganguly

3. ✖ Rahul Dravid

4. ✔ M. S. Dhoni

Question Number : 63 Question Id : 5013733526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following tennis players (men) has won the maximum number of Grand Slam singles title?

Options :

1. ✘ Rafael Nadal
2. ✔ Roger Federer
3. ✘ Pete Sampras
4. ✘ Andre Agassi

Question Number : 64 Question Id : 5013733527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Who among the following social reformers had founded the Ramakrishna Mission?

Options :

1. ✘ Sahajanand Saraswati
2. ✔ Swami Vivekananda
3. ✘ Jyotirao Phule
4. ✘ Dayananda Saraswati

Question Number : 65 Question Id : 5013733528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

On August 8, _____, the Quit India Resolution was passed at the Bombay session of the All India Congress Committee (AICC).

Options :

1. ✘ 1941
2. ✔ 1942
3. ✘ 1944
4. ✘ 1943

Question Number : 66 Question Id : 5013733529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Total number of fundamental duties in the Constitution of India is:

Options :

1. ✓ 11
2. ✗ 8
3. ✗ 13
4. ✗ 15

Question Number : 67 Question Id : 5013733530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following parts of the Constitution of India provides fundamental rights?

Options :

1. ✓ Part III
2. ✗ Part II
3. ✗ Part V
4. ✗ Part IV

Question Number : 68 Question Id : 5013733531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

How many members from the Anglo-Indian community are nominated to the Lok Sabha?

Options :

1. ✗ Three
2. ✗ Four
3. ✓ Two
4. ✗ Five

Question Number : 69 Question Id : 5013733532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following boundary lines is a subject of dispute between India and Pakistan?

Options :

1. ✘ 17th Parallel
2. ✔ 24th Parallel
3. ✘ 30th Parallel
4. ✘ 26th Parallel

Question Number : 70 Question Id : 5013733533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

In terms of area, India is the _____ largest country in the world.

Options :

1. ✘ sixth
2. ✔ seventh
3. ✘ ninth
4. ✘ eighth

Prepp

	Unit IV
Section Id :	50137379
Section Number :	4
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	30
Number of Questions to be attempted:	30
Section Marks:	30
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	501373137
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 5013733534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The ratio of the SI units to CGS units of acceleration is:

Options :

1. ✘ 1000

2. ✘ 1/100

3. ✔ 100

4. ✘ 10

Question Number : 72 Question Id : 5013733535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Work done is said to be zero when an object moves at an angle of _____ with respect to the force applied.

Options :

1. ✔ 90°

2. ✘ 45°

3. ✘ 0°

4. ✘ 180°

Question Number : 73 Question Id : 5013733536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The physical quantity corresponding to the rate of change of displacement is _____.

Options :

1. ✘ motion

2. ✔ velocity

3. ✘ acceleration

4. ✘ speed

Question Number : 74 Question Id : 5013733537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What is conserved when a bullet hits and gets embedded in a solid frictionless surface?

Options :

1. ✘ Potential energy

2. ✘ Kinetic energy
3. ✔ Momentum
4. ✘ Kinetic energy and momentum

Question Number : 75 Question Id : 5013733538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the time taken for hearing the echo of a girl's voice after reflection from a cliff is 6 seconds, calculate the distance of the girl from the cliff.

Options :

1. ✘ 660 m
2. ✘ 1,980 m
3. ✘ 330 m
4. ✔ 990 m

Question Number : 76 Question Id : 5013733539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If a glass rod is rubbed with a silk cloth and an inflated balloon is rubbed with woollen cloth, which of the two will acquire a negative charge?

Options :

1. ✘ Glass rod and woollen cloth
2. ✔ Silk cloth and rubber balloon
3. ✘ Silk cloth and woollen cloth
4. ✘ Glass rod and rubber balloon

Question Number : 77 Question Id : 5013733540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A dynamo converts _____.

Options :

1. ✘ electrical energy to mechanical energy
2. ✘ electrical energy to magnetic energy

3. ✘ chemical energy to electrical energy
4. ✔ mechanical energy to electrical energy

Question Number : 78 Question Id : 5013733541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

If the angle of incidence formed by a ray of light on a plane mirror is 37° , then the angle of reflection is _____.

Options :

1. ✘ 53°
2. ✘ 143°
3. ✔ 37°
4. ✘ 90°

Question Number : 79 Question Id : 5013733542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

During electrolysis, which of the given solutions will not deflect the magnetic needle kept in its vicinity in closed circuit?

Options :

1. ✔ Sugar solution
2. ✘ Vinegar
3. ✘ Lemon juice
4. ✘ Sulphuric acid solution

Question Number : 80 Question Id : 5013733543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following is **NOT** a chemical change?

Options :

1. ✘ Rotting of bananas
2. ✘ Metabolism of food in the body
3. ✔ Conversion of steam to water droplets

4. ✘ Cooking an egg

Question Number : 81 Question Id : 5013733544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The number of atoms present in the molecule of an element is known as its:

Options :

1. ✘ Atomic number

2. ✘ Molecular mass

3. ✔ Atomicity

4. ✘ Atomic mass

Question Number : 82 Question Id : 5013733545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following is an example of a mixture?

Options :

1. ✘ Glucose

2. ✔ Brass

3. ✘ Common salt

4. ✘ Rust

Question Number : 83 Question Id : 5013733546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The cathode of a dry cell is made of _____.

Options :

1. ✘ carbon

2. ✘ manganese

3. ✔ graphite

4. ✘ zinc

Question Number : 84 Question Id : 5013733547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The acid present in soft drinks is:

Options :

1. ✓ Carbonic acid
2. ✗ Tartaric acid
3. ✗ Malic acid
4. ✗ Salicylic acid

Question Number : 85 Question Id : 5013733548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following compounds is **NOT** a fraction of petroleum?

Options :

1. ✓ Natural gas
2. ✗ Bitumen
3. ✗ Lubricating oil
4. ✗ Paraffin wax

Question Number : 86 Question Id : 5013733549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which of the following fuels has the highest calorific value?

Options :

1. ✗ Kerosene
2. ✓ Hydrogen
3. ✗ Methane
4. ✗ Liquefied petroleum gas (LPG)

Question Number : 87 Question Id : 5013733550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The formation of sulphurous acid involves:

Options :

1. ✘ Sulphur
2. ✘ Sulphuric acid
3. ✔ Sulphur dioxide
4. ✘ Sulphur trioxide

Question Number : 88 Question Id : 5013733551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which gas is fixed by Rhizobium bacteria present in the root nodules of a pea plant?

Options :

1. ✔ Nitrogen
2. ✘ Carbon dioxide
3. ✘ Oxygen
4. ✘ Helium

Question Number : 89 Question Id : 5013733552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The paddy crop cannot be grown in winter since:

Options :

1. ✘ it is too cold in winter
2. ✔ water available is much less compared to rainy season
3. ✘ it is a rabi crop
4. ✘ there is not enough sunlight

Question Number : 90 Question Id : 5013733553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Name the microorganism which converts alcohol into acetic acid.

Options :

1. ✘ Rhizobium bacteria
2. ✔ Acetobacter bacteria
3. ✘ Yeast
4. ✘ Lactobacillus

Question Number : 91 Question Id : 5013733554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which microorganism, found in the aedes mosquito, causes dengue?

Options :

1. ✘ Protozoan
2. ✘ Fungus
3. ✘ Bacterium
4. ✔ Virus

Question Number : 92 Question Id : 5013733555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Unicellular organisms like amoeba breathe through the:

Options :

1. ✘ Cell wall
2. ✔ Cell membrane
3. ✘ Pseudopodia
4. ✘ Vacuole

Question Number : 93 Question Id : 5013733556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

The pituitary gland secretes the _____ hormone.

1. ✔ follicle stimulating

2. ✘ testosterone
3. ✘ oestrogen
4. ✘ melatonin

Question Number : 94 Question Id : 5013733557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

_____ is a plant diseases caused by fungi.

Options :

1. ✘ Citrus canker
2. ✘ Yellow vein mosaic
3. ✔ Rust of wheat
4. ✘ Aster yellows

Question Number : 95 Question Id : 5013733558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which is the part of the male reproductive system where male gametes are produced?

Options :

1. ✘ Ovary
2. ✘ Penis
3. ✔ Testes
4. ✘ Vas deferens

Question Number : 96 Question Id : 5013733559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

Which are smokeless fuels controlling air pollution?

Options :

1. ✘ Carbon dioxide
2. ✘ Methane

3. ✓ Piped natural gas (PNG)

4. ✗ Nitrous oxide

Question Number : 97 Question Id : 5013733560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What is the amount of force exerted on the piston of area 0.4 sq.m , if the pressure of the gas in the cylinder with this piston is 240 Pa ?

Options :

1. ✓ 96 N

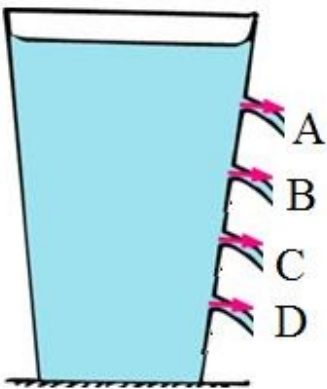
2. ✗ 60 N

3. ✗ 600 N

4. ✗ 9.6 N

Question Number : 98 Question Id : 5013733561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0



A cylinder having nozzles at A, B, C and D is filled with water. From which nozzle will the water spurt out to a greater extent?

Options :

1. ✗ Nozzle A

2. ✗ Nozzle B

3. ✗ Nozzle C

4. ✓ Nozzle D

Question Number : 99 Question Id : 5013733562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

A cultivator, which is a tractor driven agricultural implement, is used for _____.

Options :

1. ✘ removing weeds from the soil
2. ✔ loosening and turning the soil
3. ✘ watering the crops
4. ✘ sowing the seeds in the soil

Question Number : 100 Question Id : 5013733563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0

What products are formed when magnesium reacts with water?

Options :

1. ✔ Magnesium hydroxide and hydrogen
2. ✘ Magnesium oxide and hydrogen
3. ✘ Magnesium hydroxide and water
4. ✘ Magnesium hydroxide and oxygen



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