Series 11

Directions for Questions 1–5 : Read the passage carefully and answer the questions that follow :

With a little effort and a little luck, the global community will soon be within reach of a massive victory; meeting the Millennium Development Goal of halving global hunger between 1990 and 2015. Despite this, one-eighth of the global population (and nearly one-third of those in Sub-Saharan Africa) remains chronically undernourished. Viewing this stark reality in tandem with projections for rapid urbanisation, population growth, decreasing water and land availability and an increase in per-capita food demands, it is clear that the global community is at a crucial juncture and needs to reignite agricultural development. Yet to succeed, we need to set aside a fondness for technological 'silver bullets', and remember two truths: malnutrition is rarely about not having enough food and food is not all that agriculture delivers. Academic scholarship has highlighted the fact that food insecurity is often not due to inadequate food availability, but rather impeded access and utilisation, often poverty-based. Upping production, which has grown tremendously over the past half-century, will not decrease hunger if political, social and financial barriers constrain access for the disenfranchised. … Let's hope world leaders can stomach this commitment; in so doing, they can make freedom from hunger a global human right.

1. The main focus of the passage is :

   (A) The challenges to meeting the Millennium Development Goal of halving world hunger.

   (B) The problem with using technological 'silver bullets' in agriculture for halving world hunger.

   (C) The meaning of malnutrition and hunger.

   (D) The political, social and financial challenges to halving world hunger.

2. The word in the passage that is a synonym for 'critical' is :

   (A) Chronically

   (B) Tandem

   (C) Crucial

   (D) Constrain

1

3. The word in the passage that is an antonym of the word 'facilitated' is :

   (A) Commitment

   (B) Impeded

   (C) Disenfranchised

   (D) Inadequate

4. Global hunger can only be dealt by :

   (A) Upping agricultural production

   (B) Technological 'silver bullets'

   (C) Removing political, social and financial barriers to food

   (D) Rapid urbanization

5. The primary contribution of academic scholarship in the study of world hunger has been :

   (A) To highlight how one-eighth of the world is still undernourished.

   (B) To show the relationship between decreasing water and land availability and an increase in per-capita food demands.

   (C) To prove that malnutrition is rarely about not having enough food to eat.

   (D) It is not lack of food availability, but impeded access and utilisation that keeps one-eighth of the world hungry.

Directions for Questions 6–10 : From among the four choices given, choose the word that has been spelled correctly.

6. (A) Aforstation

   (B) Aforestation

   (C) Aforrestation

   (D) Afforestation

2

7.   (A)   Sovereignty

     (B)   Soveriegnty

     (C)   Sovereignity

     (D)   Soveriegnity

8.   (A)   Homiopathy

     (B)   Homiopethy

     (C)   Homeopathy

     (D)   Homeopethy

9.   (A)   Rehersal

     (B)   Rehearsal

     (C)   Rehearsel

     (D)   Reherseal

10. (A)   Conscientious

     (B)   Conscentious

     (C)   Conscintious

     (D)   Conscientus

Directions for Questions 11–15 : From among the four choices given, choose the sentence that is in the opposite voice to the sentence given in the question. If the sentence in the question is in the active voice, choose the option in the passive voice and vice versa.

11.   Rain disrupted the last day's play between England and Australia.

      (A)   Disrupted by rain was the last day's play between England and Australia.

      (B)   The last day's play between England and Australia was disrupted by rain.

      (C)   Last day's play between England and Australia disrupted the rain.

      (D)   Disrupted play on the last day between England and Australia because of rain.

12. On 15ᵗʰ August every year, the national flag is hoisted on the ramparts of the Red Fort by the Prime Minister of India.

    (A) The Prime Minister of India hoists the national flag on the ramparts of the Red Fort on 15ᵗʰ August every year.

    (B) The national flag is hoisted on 15ᵗʰ August every year on the ramparts of the Red Fort by the Prime Minster of India.

    (C) The Prime Minister of India on the ramparts of the Red Fort hoists the national flag on 15ᵗʰ August every year.

    (D) The ramparts of the Red Fort hoist the national flag by the Prime Minister of India on 15ᵗʰ August every year.

13. We all went and saw *Piku* at a theatre near our house.

    (A) *Piku* at a theatre near our house was seen by all of us.

    (B) At a theatre near our house on Sunday we all went and saw *Piku*.

    (C) Near our house is a theatre where we all went and saw *Piku*.

    (D) *Piku* was seen by all of us at a theatre near our house.

14. English is spoken by more than a million people in India.

    (A) In India English is spoken by more than a million people.

    (B) More than a million people speak English.

    (C) More than a million people in India speak English.

    (D) Spoken English is used by more than a million people in India.

15. A branch struck me on the head as I was walking home in the storm.

    (A) I was walking home in the storm and a branch struck me on the head.

    (B) I was struck on the head by a branch as I was walking home in the storm.

    (C) On the head was I struck by a branch as I was walking home in the storm.

    (D) As I was struck on the head by a branch, I was walking home in the storm.

4

Series 11

Directions for Questions 16–19 : Tick the correct meaning of the words given in CAPITALS.

16. EXULT

    (A) To place high in rank

    (B) To rejoice

    (C) To object to something

    (D) To be considered extraordinary

17. PERSECUTE

    (A) To initiate legal proceedings against someone

    (B) To pity

    (C) To oppress

    (D) To admire a person

18. STATUTE

    (A) An image

    (B) Written law of a legislative body

    (C) Pertaining to the surface

    (D) A narrow passage of water between the seas or oceans

19. INDEMNITY

    (A) Partnership

    (B) Reparation

    (C) Security

    (D) Compensation

P.T.O.

Directions for Questions 20–23 : Re-arrange the sentences given below to form a coherent paragraph by choosing the right option.

20. (a) All levels of demand, whether individual, local or national are subject to change.

   (b) At the same time, science and technology add new dimensions to products, their uses and the methods for marketing.

   (c) Local demand fluctuates with changes in business activity, GNP and national income.

   (d) The demand of individuals tend to vary with changing needs and rising income.

   (A) (c)(b)(d)(a)

   (B) (d)(c)(a)(b)

   (C) (b)(c)(a)(d)

   (D) (a)(d)(c)(b)

21. (a) The open road still softly calls, like a nearly forgotten song of childhood.

   (b) Even after 400 generations in villages and cities , we have not forgotten.

   (c) The appeal has been meticulously crafted by natural selection as an essential element in our survival.

   (d) We invest far-off places with a certain romance.

   (A) (b)(c)(a)(d)

   (B) (d)(c)(a)(b)

   (C) (c)(b)(d)(a)

   (D) (a)(c)(d)(b)

22. (a) The remaining chapters were written by various writers to the author's directions.
    (b) The chapter that bears his name is his work and nobody else's.
    (c) The final editing of the book after the author's death has been done by his wife.
    (d) Incidentally, it was written in English.

    (A) (c)(b)(d)(a)
    (B) (a)(d)(b)(c) ✓
    (C) (a)(c)(d)(b)
    (D) (d)(c)(b)(a)

23. (a) It is beyond our powers to predict the future.
    (b) Your own life, or your community's or your species' might be owed to a restless few.
    (c) Long summers, mild winters, rich harvests, plentiful game—none of them lasts forever.
    (d) Disasters have a way of sneaking up on us, of catching us unaware.

    (A) (a)(d)(c)(b)
    (B) (b)(c)(d)(a)
    (C) (a)(c)(d)(b)
    (D) (b)(d)(c)(a)

Directions for Questions 24–25 : Select the correct sentence from each of the sets given below.

24. (A) In spite of trying his best he could not convince the voters.
    (B) Despite of trying his best he could not convince the voters.
    (C) In spite of being tried his best he could not convince the voters.
    (D) Despite him trying his best he could not convince the voters.

7

P.T.O.

25. (A) But for your time of helping we could not have accomplished our goal.

    (B) But for your timely help, we could not have accomplished our goal.

    (C) Without on time help, we could not have accomplished our goal.

    (D) Despite your time of helping we could not have accomplished our goal.

Directions for Questions 26–30 : Read the passage given below and choose the correct answer from the options :

A leading Indian industrialist in an article on ways to strengthen India's economy has drawn attention to the problems of inflation and industrial sickness among other things. One of the main reasons for industrial sickness in India has been the fact that business and industrial managers have not been able to look beyond the *immediate* future. They have been too preoccupied with their attempts to report favourable results for the ongoing financial year—higher profits and larger dividends to the share holders. *The planning horizon has hardly ever exceeded five years.* Investments have been inadequate for new plants and towards diversification and expansions.

Modernisation and asset creation has seriously lagged behind. In business, growth is needed for survival; one has to grow if one does not want to be wiped out. This is particularly true today with liberalisation of imports and increasing competition. Moreover, growth and higher productivity create employment and higher employment creates larger markets both for industrial and consumer products. It was Henry Ford who brought home the need for the creation of a larger and more stable middle class, that is, a larger number of people who can afford more and more of goods and services. Even after more than six decades of Independence, Indian industrialists and managers have not been able to enlarge their business vision.

26. Which of the following shortcomings of Indian industrialist has been highlighted by the author ?

    (A) Unreasonably high investments in diversification

    (B) More concerned about the immediate net gains

    (C) Highly competitive

    (D) Preference for trading

27. The author attributes industrial sickness mainly to :

(A) Lacunae in five-year plans

(B) Preoccupations of managers with matters unrelated to business

(C) Higher profits and larger dividends to shareholders

(D) Lack of foresight among managers

28. According to the passage, growth and increasing productivity lead to :

(A) Imposition of restrictions on imports

(B) Employment, leading to an outlet for industrial and consumer products

(C) Encouragement to export excess consumer goods

(D) Disproportionate surplus of commodities

29. Why did Henry Ford stress the need for a more stable middle-class ?

(A) They are mostly service oriented

(B) They hey do not have a trading mentality

(C) They can afford to buy more and more expensive goods

(D) They are more unstable

30. The italicised sentence in the passage means :

(A) The five-year period is too short for successful implementation of plans

(B) The planners are not inclined to think of the future

(C) Planning takes care of all the ups and downs in the five-year period

(D) Planning should not be a period of less than five years

9

31. The minimum value of $2 \log_{10}x + \log_x 100$ is :

    (A) 1

    (B) −1

    (C) 2

    (D) 4

32. If the mode of a data is 18 and mean is 24, then median is :

    (A) 18

    (B) 24

    (C) 22

    (D) 21

33. There are 4 letters and 4 directed envelopes. The number of ways in which all the letters could be put into wrong envelopes is :

    (A) 8

    (B) 9

    (C) 10

    (D) None of these

34. The points $(2p, 4p+1)$, $(2p+2, 8p+3)$ and $(4p, 10p)$ are collinear if the value of p is :

    (A) 1/2

    (B) −1/2

    (C) 4

    (D) 2

35. Image of the point (4, 3) in the line $5x - 3y + 23 = 0$ is :

    (A) $(-4, -3)$

    (B) $(6, -9)$

    (C) $(-1, 6)$

    (D) $(-6, 9)$

36. The probability of India winning a test match against West Indies is 1/2. The probability that in a 5 match series, India's second win occurs at the third test is :

    (A) 1/8

    (B) 1/4

    (C) 1/2

    (D) 2/3

37. If the system of equations $3x - 2y + z = 0$, $kx - 14y + 15z = 0$, $x + 2y + 3z = 0$ has a nontrivial solution then $k =$

    (A) 9

    (B) 29

    (C) 39

    (D) 19

38. A tap can fill a tank in 12 minutes and another tap can empty the same tank in 18 minutes, if the tank is 75% filled and both the taps are opened together the tank will be :

    (A) Filled in 9 minutes

    (B) Emptied in 9 minutes

    (C) Filled in 15 minutes

    (D) Emptied in 15 minutes

11

P.T.O.

39. It was calculated that 75 persons could complete a piece of work in 20 days. But 4 days after starting the work 25 persons left. The total number of days taken to complete the entire work will be :

(A) 20 days

(B) 28 days

(C) 32 days

(D) None of these

40. Let $R = \{(1,1),(1,2),(3,1),(2,2),(1,3),(2,3)(3,2),(3,3),(2,1)\}$ be a relation on the set $A = \{1,2,3\}$. The relation R is :

(A) Reflexive and transitive

(B) Reflexive and Symmetric

(C) Non symmetric and non reflexive

(D) Equivalence

41. If the median of $x, \dfrac{x}{8}, \dfrac{x}{9}, \dfrac{x}{6}, \dfrac{x}{4}, \dfrac{x}{3}, \dfrac{x}{2}$ (where x>0) is 18 then x is equal to :

(A) 72

(B) 18

(C) 12

(D) 6

42. Function $3x^2 - 2x + 1$ in the interval $\left(-\infty, \dfrac{1}{3}\right]$ is :

(A) Increasing

(B) Decreasing

(C) Neither increasing nor decreasing

(D) Cannot predict

12

43. If the vertices of a triangle are (4,0), (−1,−1) and (3,5) then the triangle is :

    (A) Isosceles but not right angled

    (B) Right angled but not isosceles

    (C) Isosceles and right angled

    (D) Neither right angled nor isosceles

44. The equation of the tangent to the curve $y = x + \dfrac{32}{x^2}$, that is parallel to the x-axis, is :

    (A) $y = 0$

    (B) $y = 3$

    (C) $y = 6$

    (D) $y = 2$

45. Equation $x^2 + rx + 12 = 0$ has 6 as one of the roots, while equation $x^2 + rx + s = 0$ has equal roots, then the value of s will be :

    (A) 14

    (B) 15

    (C) 16

    (D) 17

46. The probability that A will speak the truth is 2/5 while this probability for B is 8/10. The probability that they contradict each other when asked to speak on a fact, is :

    (A) 23/50

    (B) 14/25

    (C) 21/50

    (D) 11/25

13

47. If $2^x + 2^y = 2^{x+y}$, $\dfrac{dy}{dx}$ is equal to :

(A) $\dfrac{\left(2^x + 2^y\right)}{\left(2^x - 2^y\right)}$

(B) $\dfrac{\left(2^x + 2^y\right)}{\left(1 - 2^{x+y}\right)}$

(C) $\dfrac{2^{x-y}\left(2^y - 1\right)}{1 - 2^x}$

(D) $\dfrac{\left(2^{x-y} - 2^x\right)}{2^y}$

48. In a city 20% of the population travels by car, 50% travels by bus and 10% travels by both bus and car. Then the percentage of population travelling by bus or car is :

(A) 80%

(B) 40%

(C) 60%

(D) 70%

49. The function f from the set of natural numbers to the set of integers is defined by :

$$f(x) = \begin{cases} \dfrac{n-1}{2}; & \text{when n is odd} \\[2mm] \dfrac{-n}{2}; & \text{when n is even} \end{cases}$$

is

(A) One-to-one but not onto

(B) Onto but not one-to- one

(C) Both one-to- one and onto

(D) Neither one-to-one nor onto

14

50. The value of $9^{\frac{1}{3}} \times 9^{\frac{1}{9}} \times 9^{\frac{1}{27}} \times$ ....

    (A) 9

    (B) 1

    (C) 3

    (D) None of these

51. In the expansion of $(1+x)^{50}$, the sum of co-efficients of odd powers of x is :

    (A) 0

    (B) 2^{49}

    (C) 2^{50}

    (D) 2^{51}

52. Which of the following equations has no real roots ?

    (A) $x^2 - 4x + 3\sqrt{2} = 0$

    (B) $x^2 + 4x - 3\sqrt{2} = 0$

    (C) $x^2 - 4x - 3\sqrt{2} = 0$

    (D) $3x^2 + 4\sqrt{3}x + 4 = 0$

53. Four equal circles are drawn about the four corners of a square so that each touches two of the others. If each side of the square is 14 cm, then the area of the square not covered by the circles is :

    (A) 44 sq cm

    (B) 42 sq cm

    (C) 54 sq cm

    (D) 52 sq cm

15

54. A cube of edge 6 cm is melted and smaller cubes of edge 2 cm each are formed. How many such cubes are possible ?

   (A) 21

   (B) 22

   (C) 27

   (D) 26

55. A ladder is inclined to a wall making an angle of 30 degree with it. A man is ascending the ladder at the rate of 2 meter/sec. How fast is he approaching the wall ?

   (A) 1 m/s

   (B) 2 m/s

   (C) 5 m/s

   (D) None of the above

56. Two towns A and B are 60 km apart. A school is to be build to serve 150 students in town 'A' and 50 students in town 'B'. If the total distance to be travelled by all 200 students is to be as small as possible, then the school should be built at :

   (A) 45 km from town A

   (B) 50 km from town B

   (C) Town A

   (D) Town B

57. The value of $\int_{-3}^{3} |x|\,dx$ is :

   (A) 9

   (B) 15

   (C) 21

   (D) None of the above

58. If a population grows at the rate of 5% per year, it will double after (in years) :

   (A) 15

   (B) 2 log 2

   (C) 20 log 2

   (D) 12

59. Consider the circle $x^2 + y^2 = 14x$. The point $(6, -7)$ is :

   (A) On the circle

   (B) In the circle

   (C) Outside the circle

   (D) Cannot be ascertained

60. A polygon has 90 diagonals, then the number of its sides are :

   (A) 10 sides

   (B) 12 sides

   (C) 14 sides

   (D) 15 sides

17

P.T.O.

61. Which one of the following is the oldest stock exchange of India ?

    (A) National Stock Exchange

    (B) Bombay Stock Exchange

    (C) Delhi Stock Exchange

    (D) Calcutta Stock Exchange

62. Dadasaheb Phalke Award 2014 was conferred on :

    (A) Gulzar   (B) Amitabh Bachchan

    (C) Shashi Kapoor   (D) Pran

63. Mr. A is Finance Manager in PQ Ltd listed at NSE. He purchased 100 shares from the market two days prior to declaration of quarterly results. This is a case of :

    (A) Related Party Transaction

    (B) Insider Trading

    (C) Front Running

    (D) Fraudulent Trading

64. Match the following :

    (i)   Varun Berry   (p) Amul
    (ii) R.S. Sodhi   (q) Britannia Industry
    (iii) Sunil Mittal   (r) Sun Pharma
    (iv) Dilip Shanghvi   (s) Airtel

    (A) (i)-(q); (ii)- (r); (iii)-(s); (iv)-(p)

    (B) (i)-(q); (ii)-(p); (iii)-(r); (iv)-(s)

    (C) (i)-(p); (ii)-(q); (iii)-(s); (iv)-(r)

    (D) (i)-(q); (ii)-(p); (iii)-(s); (iv)-(r)

18

Series 11

65. Bank rate is :

    (A) The interest rate at which a nation's central bank lends money to domestic banks.

    (B) The interest rate at which a bank lends money to its customers.

    (C) The interest rate at which banks lend money to nation's central bank.

    (D) The interest rate at which a nation's central bank lends money to foreign banks.

66. MAT refers to :

    (A) Modified Alternate Tax

    (B) Maximum Alternate Tax

    (C) Minimum Alternate Tax

    (D) Minimum Added Tax

67. 'Impossible is Nothing' is the advertisement slogan of :

    (A) Adidas

    (B) Nike

    (C) BMW

    (D) Reebok

68. Vicks products are manufactured by :

    (A) Hindustan Unilever

    (B) Procter & Gamble

    (C) ITC

    (D) None of these

P.T.O.

69. Bennet, Coleman & Co is the publisher of :

(A) Times of India

(B) Hindustan Times

(C) Indian Express

(D) None of these

70. Who is the Chief Economic Advisor of Government of India ?

(A) Arvind Subramanian

(B) Kaushik Basu

(C) C. Rangarajan

(D) Raghu Ram Rajan

71. Which state has the lowest sex ratio in India ?

(A) Haryana

(B) Sikkim

(C) Puducherry

(D) Kerala

72. Financial crisis of 2008 in US was triggered by :

(A) Fall of Lehman Brothers

(B) Default on claims by AIG

(C) Fall of interest rate by Federal Reserve

(D) Big Investment Bank Goldman Sachs went bankrupt

73. Which among the following countries is the largest trading partner of India ?

    (A) UAE

    (B) USA

    (C) China

    (D) Germany

74. Who is the founder of Chinese Giant 'Alibaba' ?

    (A) Lee Kim

    (B) Kim John

    (C) Jack Ma

    (D) Dorjey Tsering

75. "Duma" is lower house of which country :

    (A) Russia

    (B) Japan

    (C) China

    (D) Afghanistan

76. Who is the CEO of the International Monetary Fund ?

    (A) Christine Lagarde

    (B) Dr. Jim Yong Kim

    (C) Roberto Azevedo

    (D) Takehiko Nakao

77. Who is the President of Sri Lanka ?

    (A) Maithripala Sirisena

    (B) Mahindra Rajpaksha

    (C) Arjuna Ranatunga

    (D) Ranil Vikramsinghe

78. Sachin Bansal and Binny Bansal are associated with :

    (A) Airtel

    (B) Snapdeal

    (C) Flipkart

    (D) E-Bay

79. Reserve Bank of India was formed in which year ?

    (A) 1935

    (B) 1947

    (C) 1900

    (D) 1920

80. Match the following :

Names	Companies
a) Satya Nadella	1) Microsoft
b) Indra Nooyi	2) Pepsi
c) Anshu Jain	3) Deutsche Bank
d) Ajay Banga	4) Master Card

    (A) a-4, b-3, c-2, d-1

    (B) a-1, b-2, c-3, d-4

    (C) a-3, b-2, c-1, d-4

    (D) a-2, b-4, c-1, d-3

Series 11

81. Who won the man of the tournament award for ICC World Cup 2015 ?

    (A) Mahinder Singh Dhoni

    (B) Brendon McCullum

    (C) Mitchell Starc

    (D) Chris Gayle

82. Match the following well known persons with their respective fields :

Person	Respective field
a) BarkhaDutt	1) Music
b) Kedarnath Singh	2) Media
c) Deepika Kumari	3) Literature
d) Bhupen Hazarika	4) Sports

    (A) a-2, b-3, c-4, d-1

    (B) a-4, b-3, c-1, d-2

    (C) a-1, b-3, c-4, d-2

    (D) a-2, b-4, c-3, d-2

83. Vistara Airlines, the third full service carrier in India at present, after Air India and Jet Airways, is a joint venture between which of the following entities ?

    (A) Tata Group and Emirates

    (B) Kingfisher and Singapore Airlines

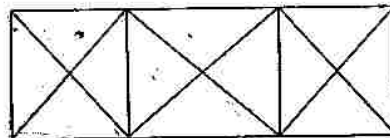   (C) Tata Group and Singapore Airlines

    (D) Indigo and Emirates

23

P.T.O.

84. The 14th Finance Commission which recently submitted its report regarding the Centre-State sharing of tax revenues was headed by who among the following ?

    (A) Former Supreme Court Judge R.M. Lodha

    (B) Former RBI Governor Y.V. Reddy

    (C) Former Finance Minister Yashwant Sinha

    (D) Former FICCI President Sidharth Birla

85. Recently the retail super store brand 'Total Hypermarket' has been acquired by which of the following groups/entities ?

    (A) Flipkart

    (B) Future (Big Bazaar) Group

    (C) Snapdeal

    (D) Aditya Birla Group

86. Recently the RBI has approved the amalgamation of Kotak Mahindra Bank with which of the following banks ?

    (A) ING Vysya Bank

    (B) Axis Bank

    (C) ICICI Bank

    (D) IndusInd Bank

87. Who among the following has recently been named as the first President of the BRICS Bank ?

    (A) Chanda Kocchar

    (B) D.V. Subbarao

    (C) Naina Lal Kidwai

    (D) K.V. Kamath

88. 'Das Auto' is the advertising theme/tag line of which of the following automobile companies ?

(A) Mercedes

(B) Jaguar Land Rover

(C) Volkswagen

(D) Datsun

89. Which of the following is the logo of the 'Make in India' campaign of Government of India ?

(A) Tricolour Indian Flag with wheel cogs

(B) Silhouette of a Gir Lion on the prowl

(C) A Steam Engine Train

(D) Four workers with their hands joined

90. The newly established policy think-tank 'NITI Aayog' has replaced which of the following organizations ?

(A) Planning Commission

(B) Disinvestment Commission

(C) Knowledge Commission

(D) Center for Policy and Research

91. How many Triangles are there in the given figure ?

(A) 24

(B) 28

(C) 25

(D) 26

P.T.O.

92. You go North, turn right, then right again and then go to the left. In which direction are you now ?

    (A) North

    (B) South

    (C) East

    (D) West

93. 2, 7, 27, 107, 427, ?

    (A) 1707

    (B) 4207

    (C) 4027

    (D) 1262

Direction for Questions 94 to 98 : Use the following information to answer.

A rock band has five members. Their names are: John, Mark, Andrew, Paul and Simon. The instruments that the band uses are the drums, the flute, the keyboard, the guitar and the bass. Each member plays only one of the instruments. Each member of the band is from one of South Africa, USA, Ireland, France and England, though not necessarily in that order. The hair colors of the members are blonde, green, red, black and yellow, again not necessarily in that order.

The following information is known.

   (i) John's hair is red. He is not from Ireland or France.

   (ii) Andrew plays the drums. His hair is not yellow, and he is not from the USA.·

   (iii) Paul and Simon have yellow and green hair, not necessarily in that order.

   (iv) Mark plays the guitar. He is from England.

(v) Paul and Simon are from France and USA, not necessarily in that order.

(vi) The Irishman has blonde hair, and the Frenchman has green hair.

(vii) The South African plays the bass and the American plays the keyboard. One of them has yellow hair.

94. Which country is Andrew from ?

   (A) Ireland

   (B) USA

   (C) England

   (D) France

95. Which member of the band has black hair ?

   (A) Mark

   (B) Andrew

   (C) Paul

   (D) Simon

96. From which countries do the Flute and Bass players (in that order) come ?

   (A) USA and South Africa

   (B) Ireland and USA

   (C) USA and Ireland

   (D) France and South Africa

27

P.T.O.

97. If Simon plays the flute, which member of the band has yellow hair ?

   (A) Mark

   (B) Andrew

   (C) Paul

   (D) Simon

98. If Paul is French, what instrument does Simon play ?

   (A) Bass

   (B) Guitar

   (C) Drums

   (D) Keyboard

Direction for Questions 99 to 101 : Read the information given below to answer.

Lectures on 6 subjects viz. Physics, Chemistry, Maths, Biology, Computer Science and Physical Education have to be arranged in a week, starting from Monday to Saturday and have to be taken exactly by one professor each, out of A, B, C, D, E and F. Only one lecture can be arranged for each day.

   I. Biology is to be scheduled on Wednesday.

   II. Professor B takes classes on the very first day of the week, but doesn't teach Physics and Chemistry.

   III. Professor E teaches Physical Education, which is scheduled on Saturday.

   IV. Class of Maths is to be scheduled immediately after Biology.

   V. On Wednesday, neither Professor C nor Professor A is available for teaching.

   VI. F takes class just on the next day of B and does not teach Chemistry.

Series 11

99. Which of the following combination of Day-Professor-Subject is definitely true ?

    (A) Tuesday-F-Physics

    (B) Thursday-A-Maths

    (C) Friday-C-Chemistry

    (D) None of the above

100. Who is scheduled to take the class on Thursday ?

    (A) Professor A

    (B) Professor B

    (C) Professor C

    (D) Data is not sufficient

101. Which of the following statements are definitely correct ?

    (i) On Tuesday F takes class of Physics

    (ii) A or C take a class immediately after D

    (iii) D teaches on Wednesday

    (A) Only 1 and 2 are correct

    (B) Only 2 is correct

    (C) Only 3 is correct

    (D) All 1, 2 and 3 are correct

P.T.O.

102. If South East becomes North, North East becomes West and so on. What will West become :

   (A) North East

   (B) South East

   (C) North West

   (D) South West

103. Here are some words translated from an artificial language :

   JalkaMofti means happy birthday

   MoftiHoze means birthday party

   MentoGunn means goodness

   Which word could mean "happiness" ?

   (A) JalkaGunn

   (B) MentoHoze

   (C) MoftiHoze

   (D) HozeMento

104. If TRIANGLE is coded as SSHBMHKF in a certain code. SQUARE should be coded as :

   (A) RRIASF

   (B) RRTBQF

   (C) RPVBSF

   (D) RPVBSD

105. Consider the following statements :

    I. Either A and B are of the same age or A is older than B

    II. Either C and D are of the same age or D is older than C

    III. B is older than C

Which one of the following conclusions can be drawn from the above statements ?

(A) A is older than B

(B) B and D are of same age

(C) D is older than C

(D) A is older than C

106. Select the related word from the given alternatives :

Tally : Votes :: ? : Population

(A) People

(B) Government

(C) Census

(D) Taxation

107. In a march past, seven persons are standing in a row facing north. Q is standing to the left of R and to the right of P. O is standing to the right of N and to the left of P. Similarly, S is standing to the right of R and to the left of T. Who is standing in the middle ?

(A) P

(B) Q

(C) R

(D) O

P.T.O.

108. Look at this pattern: BCB DED FGF HIH _____ . What pattern should fill the blank ?

    (A) JKJ

    (B) HJH

    (C) IJI

    (D) JHJ

Directions for Questions 109 to 113 :

A school has four sections A, B, C, D of Class X students. The results of half yearly and annual examinations are shown in the table given below.

Result	No. of Students			
	Section A	Section B	Section C	Section D
Students failed in both Exams	28	23	17	27
Students failed in half-yearly but passed in Annual Exams	14	12	8	13
Students passed in half-yearly but failed in Annual Exams	6	17	9	15
Students passed in both Exams	64	55	46	76

109. If the number of students passing an examination be considered a criteria for comparison of difficulty level of two examinations, which of the following statements is true in this context ?

    (A) Half yearly examinations were more difficult

    (B) Annual examinations were more difficult

    (C) Both the examinations had almost the same difficulty level

    (D) The two examinations cannot be compared for difficulty level

110. How many students are there in Class X in the school ?

    (A) 430

    (B) 189

    (C) 335

    (D) 334

111. Which section has the maximum pass percentage in at least one of the two examinations ?

    (A) Section A

    (B) Section B
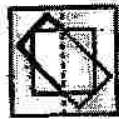
    (C) Section C

    (D) Section D

112. Which section has the maximum success rate in annual examination ?

    (A) Section A
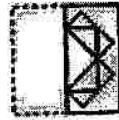
    (B) Section B

    (C) Section C

    (D) Section D

113. Which section has the minimum failure rate in half yearly examination ?

    (A) Section A

    (B) Section B

    (C) Section C

    (D) Section D

P.T.O.

114. Find out amongst the four alternatives as to how the pattern (X) would appear when the transparent sheet is folded at the dotted line:
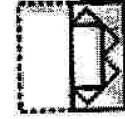

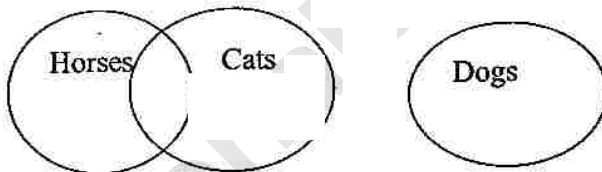(X)   (1)   (2)   (3)   (4)

(A) 1

(B) 2

(C) 3

✓(D) 4

Directions for Question No. 115 to 116 : Study the diagrams below and indicate which one of the choices gives the valid conclusion.
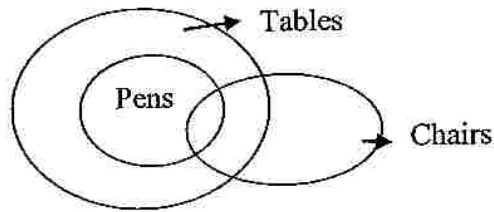
115.

(A) No Horses are Dogs.
     Some Cats are Horses.

(B) All Horses are Cats.
     Some Cats are Dogs.

(C) All Dogs are Horses.
     All Horses are Dogs.

(D) Some Cats are Dogs.
     Some Dogs are not Horses.

34

116.

(A) All Pens are Tables.

Some Chairs are Pens.

(B) All Pens are Tables.

All Chairs are Pens.

(C) No Pens are Tables.

All Chairs are Pens.

(D) Some Pens are Chairs.

All Chairs are Tables.

117. Given the following premises :

(i) All equilateral triangles have three equal sides.

(ii) ABC is a triangle with two equal sides.

Which of the following is the most logical deduction ?

(A) All equilateral triangles have at least two equal sides.

(B) ABC is not an equilateral triangle.

(C) Some triangles are equilateral triangles.

(D) All triangles have three equal sides.

P.T.O.

Directions for Question no. 118 & 119 :

A basket contains two blue, three green, four red and five black balls.

118. If 3 balls are picked at random, what is the probability that either all are red or all are green ?

    (A) 9 / 14

    (B) 6 / 91

    (C) 5 / 364

    (D) 14 / 91

119. If 2 balls are picked at random, what is the probability that none is red ?

    (A) 45 / 91

    (B) 1 / 7

    (C) 5 / 14

    (D) 9 / 14

120. Complete the Series. 17, 43, 81, 131, ?

    (A) 275

    (B) 144

    (C) 193

    (D) 243