

MENTAL ABILITY-1

1. Select the option which is related to the three related words given below :

Lion, Buffalo, Rat

- (1) Shark (2) Hen
(3) Whale (4) Jellyfish

2. A company is appointing to the post of Technical Specialist. The criteria to be satisfied by the candidate necessarily are given below.

It is necessary for the candidate that

- I. He/she must be an Engineering Graduate with at least 70% marks.
- II. Minimum age should be 23 years and maximum age should be 30 years as on July 1, 2019.
- III. He/she must have passed Selection Test with at least 60% marks.
- IV. He/she must be ready for training immediately.

The details of a candidate are given below. You have to decide his status on the basis of above criteria after studying the given information.

Ravish is an IT Engineer who has completed Graduation with 73% marks. He completed MCA after taking Engineering degree. He has passed Selection Test with 70% marks. He is ready for training immediately. His date of birth is October 2, 1993.

- (1) The candidate cannot be selected.
- (2) The candidate would be rejected on the basis of his marks in the Selection Test.
- (3) The candidate would be rejected on the basis of his age.
- (4) The candidate can be selected.

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

45 : 140 :: 70 : ?

- (1) 306 (2) 195
(3) 215 (4) 180

4. Below are given two statements followed by two Conclusions numbered I and II. Assuming the statements to be completely true, decide which of the Conclusions logically follow(s) :

Statement :

The air pressure horns in vehicles is the cause of pollution in traffic.

Conclusions :

- I. The use of air pressure horns should be banned.
 - II. Normal horns should not be promoted.
- (1) Only I is true
(2) Either I or II is true
(3) Both I and II are true
(4) Only II is true

5. Below are given four pairs of words, of which three pairs of words have a certain common relationship. Select the pair in which words are related differently.

- (1) Cattle : Herd
(2) Sheep : Mob
(3) Singer : Chorus
(4) Sailor : Crew


6. Below are given four pairs of numbers, of which three number-pairs have a certain common relationship. Select the pair in which numbers are related differently.

- (1) 5, 125 (2) 3, 27
(3) 8, 64 (4) 6, 216





7. Ramesh walks 28 metre towards east. Then he turns left and walks 30 metre. Then he turns left and walks 20 metre. Finally he turns left and walks 45 metre. How far is he from the starting point?

- (1) 19 metre (2) 22 metre
(3) 17 metre (4) 15 metre

8. Three different positions of the same dice are shown. Which figure is on the face

opposite to  ?



- (1)  (2) 
(3)  (4) 

9. Below are given two statements followed by two Conclusions numbered I and II. Assuming the statements to be completely true, decide which of the Conclusions logically follow(s) :

Statement :

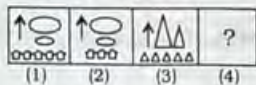
A large number of students in the college failed in the annual examination.

Conclusions :

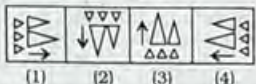
- I. There should be an inquiry to find out the cause.
 - II. The guardians should be informed by the administration.
- (1) Only I is true
(2) Either I or II is true
(3) Both I and II are true
(4) Only II is true
10. Select the option which is related to the third word in the same way as the second word is related to the first word.
- Never : Always :: Top : ?
- (1) Dry (2) Drown
(3) Dead (4) Bottom

11. Which of the answer figures is related to the third question figure in the same way as second figure is related to the first figure.

Question Figures :



Answer Figures :



12. In the morning, Dev was standing facing north. He turned right and walked 15 metre. Then he turned left and walked 20 metre. In which direction was he standing how?

(1) South (2) East
(3) West (4) North

13. S, T, U, V, X, Y and Z are sitting around a circular table for group discussion. Y is third to the right of Z and is sitting between S and X. Z is second to the right of U. V is third to the left of X. Who is sitting to the right of S?

(1) V (2) T
(3) X (4) U

14. Six children A, B, C, D, E and F are standing in a row. F is second to the right of E and to the immediate left of C. B is between D and C.

Who is standing at the extreme right end?

(1) C (2) E
(3) D (4) A

15. Select the option which is related to the three related words given below :

Jawaharlan Nehru, Morarji Desai, Narendra Modi

(1) KR Narayanan
(2) VP Singh
(3) Lalkrishna Advani
(4) Rahul Gandhi

16. Select the option which is related to the three related numbers given below :

17, 19, 23
(1) 15 (2) 29
(3) 36 (4) 45

17. I. Sahil is brother of Sallu.

II. Shreya is daughter of Shyam and elder sister of Sallu.

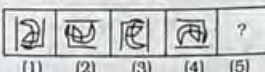
III. Sahil is brother of Shreya.

If the first two statements are true, then third statement is _____.

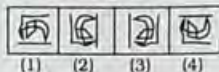
(1) not true
(2) cannot be determined
(3) probably true
(4) true

18. Select the option from the answer figures which continues the series formed by the four figures :

Question Figures :



Answer Figures :



19. A farmer had 25 buffaloes. All were died except 7. How many buffaloes had he now ?

(1) 32 (2) 18
(3) 0 (4) 7

20. A prestigious school is to appoint a teacher. The criteria to be satisfied by the candidate necessarily are given below.

The candidate must

- I. be a Graduate in Social Science with 75% marks.
II. be 21 to 30 years of age as on May 31, 2019
III. have Post-Graduate degree/ Three years' diploma or have passed BED with more than 65% marks.
IV. have an experience of at least three years in teaching.
V. be willing to serve on probation for two years

In case the candidate satisfies all criteria except.

- at I above, but is a Graduate in Arts and Mathematics with minimum 72% marks and has an experience of five or more years, the case may be referred to the Vice-Principal.
- at III above, but has a Master degree with minimum 60%

marks. The case may be referred to the Principal.

The details of a candidate are given below. You have to read the given information and decide the course of action on the basis of above criteria.

Anush has a Graduation degree in Political Science with 80% marks and has completed Post-Graduation in History. He has completed 28 years of age in 2019 and has an experience of four years as a faculty member. He is willing to serve on probation for two years.

(1) the case is to be referred to the Principal
(2) the data are inadequate to take a decision
(3) the case is to be referred to the Vice-Principal
(4) the candidates is to be selected

MENTAL ABILITY-2

21. Four words are given in the options, out of which three are alike in a certain way while fourth is different. Find the odd one.

(1) Rhombus (2) Rectangle
(3) Cube (4) Square

22. Four numbers are given in options, three of which numbers have a certain common relationship. Select the number which is different from the others.

(1) 195 (2) 75
(3) 95 (4) 135

23. In a certain code language INDIA is written as EJDME. Which of the following words would be coded as JAPEP?

(1) NEWPEL (2) BENGAL
(3) DELHI (4) NEPAL

24. Four letter-clusters are given in the options, out of which three letter-clusters have a certain common relationship. Select the option in which letter-cluster is different.

(1) FHUS (2) BDYW
(3) HJTP (4) JLQO

25. Select the option which would replace the question-mark (?) in the series correctly.

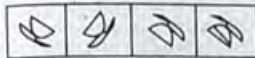
15, 21, 33, 51, ?
(1) 75 (2) 64
(3) 76 (4) 67

28. Study the following information and answer the question given below:

- 'A-B' means 'A is the mother of B'.
 - 'A \$ B' means 'A is the sister of B'.
 - 'A @ B' means 'A is the father of B'.
 - 'A = B' means 'A is son of B'.
- If R = S \$ O \$ P, then how O is related to R ?

- (1) Aunt (2) Niece
(3) Daughter (4) Son

27. Three of the four figures 1, 2, 3 and 4 are alike in a certain way. However, one figure is not like the other three. Select the figure which is different from the others.



- (1) (2) (3) (4)

28. Select the option which would replace the question-mark (?) in the series correctly.

12, 16, 20, 28, 36, 48, ?

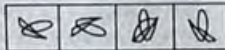
- (1) 60 (2) 64
(3) 72 (4) 62

29. Select the option which would replace the question-mark (?) in the series correctly.

BD, DF, FH, HJ, ?

- (1) IJ (2) LJ
(3) HJ (4) JL

30. Three of the four figures 1, 2, 3 and 4 are alike in a certain way. However, one figure is not like the other three. Select the figure which is different from the others.



- (1) (2) (3) (4)

31. Which of the following pairs of numbers and signs should be interchanged to make the given mathematical equation correct?

$$6 + 3 \times 2 + 4 - 7 = 26.5$$

- (1) 6 and 2, + and -
(2) 4 and 7, x and +
(3) 3 and 7, + and -
(4) 3 and 6, - and x

32. How many triangles are there in the figure ?



- (1) 13 (2) 14
(3) 18 (4) 15

33. Ram is son of Mohan and brother of Ramesh. Shreya is daughter of Shweta and sister of Ram. How Shweta is related to Mohan ?

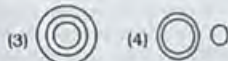
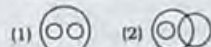
- (1) Sister (2) Daughter
(3) Father (4) Wife

34. Which pair of signs should be interchanged to make the given mathematical equation correct ?

$$16 + 4 - 22 + 2 \times 5 = 58$$

- (1) + and + (2) + and x
(3) + and x (4) + and -

35. Select the venn diagram which can represent the best relationship among given set: Rats, Cats, Mammals



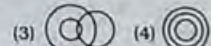
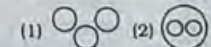
36. Fourteen teams participated in a cricket tournament. Each team has to play with all other teams. How many games are to be played ?

- (1) 140 (2) 196
(3) 44 (4) 91

37. In a certain code language PAY is written as 42. How will EAT be written in that code language ?

- (1) 45 (2) 15
(3) 26 (4) 37

38. Select the venn diagram which can represent the best relationship among given set: Food, Vegetables, Brinjal



39. In a certain code language EARTH is written as GCRRF. How will VENUS be written in that code language ?

- (1) XGNSP (2) XGNQS
(3) XGNSQ (4) XGNSZ

40. Four figures are given in the options, three of which have certain common relationship. Select the figure which is different from the others.



GENERAL AWARENESS-1

41. What was the role of Amatyā in Ashta Pradhan (Council of Eight) of Shivaji?

- (1) PramuKh Purohit
(2) In charge of military administration
(3) In charge of religious issues
(4) Accountant General

42. The Anglo-Maratha Battle of Wadgaon was fought in

- (1) 1779 (2) 1879
(3) 1579 (4) 1679

43. Alfred Brownell of Liberia was honoured with ___ for contributing in the field of environmental conservation.

- (1) Kiev International Award
(2) Champions of the Earth
(3) Goldman Environmental Prize
(4) Blue Planet Prize

44. What is El Nino?

- (1) It is a severe reduction in pH value of soil due to acidic rain
(2) It is a type of wind erosion
(3) It is an irregular weather pattern created due to warming of the Pacific Ocean
(4) It is a type of cyclone in America

45. Concurrent List of India constitution has been borrowed from which of the following constitutions ?

- (1) Ireland (2) USA
(3) Australia (4) France

46. Who, among the following, started the Nirankari movement?

- (1) Guru Ram Das
 (2) N.D. Mazumdar
 (3) Feroz Shah Mehta
 (4) Baba Dayal Das
47. What is the name of 17th edition of joint Indo-French naval exercise that was held in May 2019?
 (1) Akash (2) Varuna
 (3) Nipun (4) Yamuna
48. On the basis of electors, which is the largest constituency of India?
 (1) Malkajgiri, Telangana
 (2) Vellore, Tamil Nadu
 (3) Varanasi, Uttar Pradesh
 (4) Kishanganj, Bihar
49. Several committees were appointed by the constituent assembly during the drafting of Indian constitution. Who was the chairman of Steering Committee?
 (1) Gopinath Bordoloi
 (2) K.M. Munshi
 (3) A.V. Thakkar
 (4) G.V. Mavalankar
50. Usage of which one of the following insecticides for decades has affected calcium metabolism in birds leading to thinning of egg shells and premature hatching of eggs and thereby causing extinction of some birds?
 (1) Endosulfan (2) DDT
 (3) Aldrin (4) Dieldrin
51. In May 2019, Vice President M. Venkaiah Naidu released a postage stamp on the 750th birth anniversary of ____.
 (1) Tenaliram Krishna
 (2) Shri Vedanta Desikan
 (3) Krishnadeva Raya
 (4) Adi Shankaracharya
52. With which sport is Wanamaker Trophy associated?
 (1) Squash (2) Badminton
 (3) Golf (4) Table Tennis
53. Who among the following was associated with the famous 'Black Hole' tragedy of Calcutta?

- (1) Bahadur Shah
 (2) Mir Jafar
 (3) Mir Qasim
 (4) Siraj ud-Daulah
54. Which team won the title of La Liga 2019?
 (1) Real Betis
 (2) Real Madrid
 (3) FC Barcelona
 (4) Sevilla FC
55. According to which article of Indian constitution, the states should take steps for the constitution of Gram Panchayats?
 (1) Article 24 (2) Article 40
 (3) Article 30 (4) Article 34
56. Which one of the following diseases caused by water pollution affects bones and teeth?
 (1) Trachoma
 (2) Schistosomiasis
 (3) Arsenicosis
 (4) Fluorosis
57. Who won the award of 'Player of the Tournament' in 1999 World Cup Cricket (ODI) championship?
 (1) Sanath Jayasuriya
 (2) Lance Kluesner
 (3) Glenn McGrath
 (4) Sachin Tendulkar
58. The members of Rajya Sabha are elected by _____ vote system.
 (1) Cumulative
 (2) Double transferable
 (3) Single non-transferable
 (4) Single transferable
59. What is the approved number of judges in the Supreme Court of India?
 (1) 51 (2) 41
 (3) 21 (4) 31
60. Which one of the following air pollutants is a type of bio-aerosol?
 (1) Sulphur dioxide
 (2) Hydrogen sulphide
 (3) Pollen
 (4) Carbon monoxide

GENERAL AWARENESS-2

61. How many classical dance forms of India have been recognized by the Sangeet Natak Academy?
 (1) 15 (2) 8
 (3) 5 (4) 12
62. The mythological dance of Theyyam is popular in the state of ____.
 (1) Karnataka
 (2) Kerala
 (3) Andhra Pradesh
 (4) Tamil Nadu
63. C-DAC develops super computers in India. The full form of C-DAC is:
 (1) Centre for Digital Augmented Computing
 (2) Centre for Development of Allied Computers
 (3) Centre for Development of Augmented Computing
 (4) Centre for Development of Advanced Computing
64. Who was the Prime Minister of India at the time of formation of South Asian Association for Regional Cooperation (SAARC)?
 (1) I.K. Gujral
 (2) Rajiv Gandhi
 (3) H.D. Deve Gowda
 (4) P.V. Narsingh Rao
65. 'Pato' is the national sport of which one of the following countries?
 (1) Finland (2) Argentina
 (3) Mongolia (4) Cuba
66. Which Indian astrophysicist developed the 'Saha equation' that explains chemical and physical conditions in stars?
 (1) Meghnad
 (2) Subrahmanyan Chandrasekhar
 (3) Birbal Sahani
 (4) P.C. Mahalanobis
67. There are two types of vaccines, killed vaccines and live vaccines. Which one of the following is Not a live vaccine?
 (1) Rabies vaccine
 (2) Polio Vaccine
 (3) Tuberculosis Vaccine
 (4) Yellow fever vaccine

68. The maximum foreign exchange of India is spent on the import of which of the following?
- (1) Iron and Steel
 - (2) Electronics
 - (3) Petroleum products
 - (4) Food grains
69. Where is the headquarters of International Monetary Fund (IMF) located?
- (1) Vienna, Austria
 - (2) Geneva, Switzerland
 - (3) Washington D.C. USA
 - (4) Jakarta, Indonesia
70. Which of the following countries has the highest linguistic diversity in the world?
- (1) Comoros
 - (2) Finland
 - (3) India
 - (4) Papua New Guinea
71. Deficiency of which hormone in the human body causes 'Cretinism'?
- (1) Adrenaline
 - (2) Thyroxine
 - (3) Progesterone
 - (4) Oxytocin
72. Which of the following is the first powered remote sensing satellite of India?
- (1) INSAT-1A
 - (2) IRS-1A
 - (3) PSLV-D3
 - (4) GSAT-1
73. Lucimeter is used for measuring _____.
- (1) degree of acid rain
 - (2) specific gravity
 - (3) intensity of light
 - (4) degree of rusting
74. Jelep La, Nathu La, Zoji La and Patkai are the names of which of the following?
- (1) Passes in the Himalayas
 - (2) Medicinal plants in the Himalayas
 - (3) Active volcanoes in the Himalayas
 - (4) Rivers flowing in the Himalayas
75. Planning Commission has been established in accordance with the directive principles laid down in _____ of Indian constitution.
- (1) Article 36
 - (2) Article 39
 - (3) Article 43
 - (4) Article 40
76. In September 2016, _____ became the first island of India to become a district.

- (1) Srirangam, Tamil Nadu
 - (2) Majuli, Assam
 - (3) Srirangapatna, Karnataka
 - (4) Bhavani Island, Andhra Pradesh
77. Which one of the following acids is known as 'Muriatic Acid'?
- (1) Sulphuric Acid
 - (2) Acetic acid
 - (3) Hydrochloric acid
 - (4) Nitric acid
78. In which year was the Bombay Stock Exchange (BSE) established?
- (1) 1975
 - (2) 1953
 - (3) 1959
 - (4) 1875
79. The carnatic raga 'Hindolam' is equivalent to which raga of Hindustani music?
- (1) Malkauns
 - (2) Madhuvanti
 - (3) Mand
 - (4) Khamaj
80. Vijay Pandurang Bhatkar is famous as
- (1) Father of Indian supercomputers
 - (2) Father of aviation engineering
 - (3) Father of Indian medical research
 - (4) Father of Indian surgery

ARITHMETIC ABILITY-1

81. The LCM and HCF of two numbers are 630 and 9 respectively. If the sum of the numbers is 153, find the difference between them.
- (1) 33
 - (2) 17
 - (3) 27
 - (4) 23
82. What will be the respective ratio of LCM and HCF of numbers 28 and 42?
- (1) 2 : 3
 - (2) 4 : 9
 - (3) 5 : 4
 - (4) 5 : 1
83. In a class of 80 students, 60% students are girls and remaining students are boys. If the average marks of girls are 75 and that of boys are 65, what are the average marks of the whole class?
- (1) 71.5
 - (2) 71
 - (3) 69
 - (4) 72.5
84. X and Y started their journey on the same day and at the same time from A to B and from B to A respectively. After crossing each other, they

completed their remaining journeys in $12\frac{1}{4}$ and 16 hours respectively. What is the ratio of the speeds of X and Y?

- (1) 4 : 3
- (2) 3 : 2
- (3) 8 : 7
- (4) 7 : 6

85. Solve :

$$\left(\frac{81}{16}\right)^{\frac{-3}{4}} \times \left[\left(\frac{25}{9}\right)^{\frac{-3}{2}} + \left(\frac{5}{2}\right)^{-3}\right]$$

- (1) 8
- (2) 1
- (3) 3
- (4) 2

86. The average weight of Amit, Vineet and Sumit is 56.25 kg. The weights of Vineet and Sumit are equal. If the weight of Amit is 72.75 kg, what will be the weight of Sumit?
- (1) 40 kg
 - (2) 50 kg
 - (3) 48 kg
 - (4) 58 kg
87. If 9.6% of x is equal to 48% of y, what per cent of x is equal to the sum of x and y?
- (1) 75
 - (2) 100
 - (3) 125
 - (4) 120

88. Rajesh started a business with an initial capital of Rs. 3 lakhs. Rucha and Anupama joined him after 6 months and 8 months respectively from the start of the business. If at the end of the year, the total profit was shared among Rajesh, Rucha and Anupama in the respective ratio of 5 : 8 : 2, how much amount was invested by Rucha and Anupama together in the business? (In Rs. lakhs).
- (1) 9.6
 - (2) 13.2
 - (3) 12.4
 - (4) 10.8
89. A is 20% more than B, B is 40% more than C and C is 60% less than D. Which of the following statements is true there after?
- (1) B is 11.2% more than A
 - (2) C is 27.2% less than A
 - (3) B is 16% more than D
 - (4) A is 32.8% less than D
90. The sum of two numbers is 40 and their difference is 4. What will be the ratio of these numbers?
- (1) 22 : 10
 - (2) 11 : 18
 - (3) 11 : 9
 - (4) 21 : 19

91. What will be the value of

$$\sqrt{128 + \sqrt{260 - \sqrt{16}}} ?$$

- (1) $\sqrt{178}$ (2) $\sqrt{136}$
 (3) $\sqrt{144}$ (4) $\sqrt{152}$

92. If $\frac{x}{y} = 0.3$, what will be the

$$\text{value of } \frac{2x - y}{2x + y} ?$$

- (1) -0.75 (2) -0.45
 (3) -0.35 (4) -0.25

93. What will be the average of first 25 prime numbers ?

- (1) 42.4 (2) 52.6
 (3) 24.8 (4) 38.4

94. Solve :

$$6 \times 0.6 \times 0.06 \times 0.006 \times 60 = ?$$

- (1) 7.7760
 (2) 0.007776
 (3) 0.07776
 (4) 0.7776

95. Viraj sells a headphone at Rs. 840 and gains 20%. He sells other headphone at Rs. 960 at a loss of 4%. What was his profit or loss per cent ?

(1) $6\frac{2}{3}\%$ profit

(2) $5\frac{15}{17}\%$ loss

(3) $6\frac{2}{3}\%$ loss

(4) $5\frac{15}{17}\%$ profit

96. What will be the value of

$$\frac{\left(\frac{3}{7}\right)^3 - \left(\frac{1}{7}\right)^3}{\left(\frac{3}{7}\right)^2 - \left(\frac{1}{7}\right)^2} ?$$

(1) $\frac{16}{34}$ (2) $\frac{13}{28}$

(3) $\frac{15}{36}$ (4) $\frac{11}{42}$

97. By selling 40 pens a shopkeeper gains equal to the cost price of 4 pens. What is his profit per cent ?

(1) $\frac{100}{9}\%$ (2) $\frac{100}{11}\%$

(3) 20% (4) 10%

98. If the cost price of a book is Rs. 1250 and the loss incurred on it is 15%, what will be the selling price of the book ? (In Rs.)

- (1) 1100 (2) 1062.50
 (3) 1050.50 (4) 1200

99. The ratio of the incomes of Satish and Vishal is 5 : 3 and the ratio of their expenditures is 7 : 4. If the saving of Satish is 30% of his income, what is the saving of Vishal ?

(1) 32% (2) $33\frac{1}{3}\%$

(3) $32\frac{1}{3}\%$ (4) 28%

100. What will come in place of question mark (?) in the following number series ?

30, 34, 43, 59, 84, 120. ?

- (1) 169 (2) 145
 (3) 135 (4) 185

ARITHMETIC ABILITY-2

101. Vimal alone can do a certain work in 6 days and Suraj can do the same work in 12 days. They include Puneet and together all three do the same work in 3 days. In how many days will Puneet alone do the same work ?

- (1) 10 (2) 15
 (3) 14 (4) 12

102. A sum of Rs. 30000 becomes Rs. 42147. 84 in 3 years at a certain rate of compound interest compounded annually. What will be the total simple interest on the same sum in 3 years at the same rate of interest ?

- (1) Rs. 8,100 (2) Rs. 9,000
 (3) Rs. 9,900 (4) Rs. 10,800

103. If the perimeter of a rectangle is 56 metre and its area is 160 sq.m., find its length.

- (1) 8 metre (2) 15 metre
 (3) 10 metre (4) 20 metre

104. An article is marked up at 20% profit. After allowing a certain discount on it, the profit is reduced to 10%. What was the percentage discount ?

(1) $8\frac{2}{3}\%$ (2) $8\frac{1}{3}\%$

(3) $\frac{12}{3}\%$ (4) 10%

105. Reshma bought a mobile for Rs. 16100 inclusive GST. If the marked price of the mobile is Rs. 14000, what is the rate of GST ?

- (1) 15% (2) 15.5%
 (3) 16.5% (4) 16%

106. The price of a television including GST is Rs. 14000. If the rate of GST is 12%, what is the original price of television ? (In Rs.)

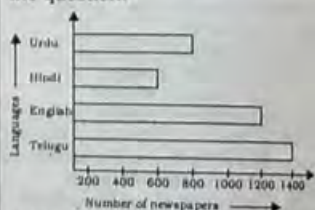
- (1) 12500 (2) 12000
 (3) 11500 (4) 11000

107. A 320 metre long train, running at a uniform speed, crosses a platform in 60 seconds and a person standing on the platform in 24 seconds. What is the length of platform ? (In metre).

- (1) 580 (2) 480
 (3) 530 (4) 430

Directions (108) : The following bargraph shows the sale of newspapers in different languages in a city.

Study the bargraph and answer the question.



108. What is the total sale of newspapers in English language ?

- (1) 1400 (2) 800
 (3) 800 (4) 1200

109. A well 12 metre deep and of diameter 3.5 metre has been dug and the earth taken out from it has been evenly spread out to form a platform of dimensions 10.5 m x 8 m. What will be the height of platform ? (In metre)

- (1) 1.25 (2) 1.375
 (3) 1.125 (4) 2.5

110. The area of a square field is 36450 sq. metre. What is the length (in metre) of the diagonal of the field ?
 (1) 270 (2) 135
 (3) $270\sqrt{2}$ (4) $135\sqrt{2}$
111. Sunil alone can do a work in 24 days while Kunal alone

can do it in 36 days. They decide to do it together for Rs. 48000. With the help of Anand, they finished the work in 12 days. What amount was paid to Anand ?
 (1) Rs. 8000 (2) Rs. 16000
 (3) Rs. 6000 (4) Rs. 12000

Directions (112) : The following table shows the number of stamps collected by Ramu and Citu during six months. Study the table carefully and answer the question.

Months	March	April	May	June	July	August
Ramu	140	120	100	160	140	140
Situ	180	140	100	140	130	210

112. The collection of stamps by Ramu in April is what per cent of total collection by him in 6 months?
 (1) 16% (2) 15%
 (3) 12% (4) 15.4%
113. The simple interest received on a sum of Rs. 3100 for 4 years is more than that on a sum of Rs. 3000 for the same period by Rs. 80. What is the rate of interest per annum?
 (1) 15% (2) 20%
 (3) 8% (4) 10%
114. What will be the compound interest on a sum of Rs. 800

What is the principal ? (In Rs.)
 (1) 1500 (2) 1303
 (3) 1403 (4) 1800

Directions (118) : The following table shows the number of sales of sport kits by the company XYZ during the last five years. (In lakhs)

Study the table carefully and answer the question.

Years	Cricket	Hockey	Football	Tennis
2011	40	32	58	68
2012	48	32	71	19
2013	31	32	18	19
2014	30	19	16	18
2015	72	68	51	36

- for $2\frac{1}{3}$ years at the rate of 8% p.a. compounded annually?
 (1) Rs. 158.00 (2) Rs. 160.20
 (3) Rs. 165.32 (4) Rs. 133.12
115. Without stoppage, the speed of a bus is 45 kmph and with stoppages its speed is 36 kmph. Find, for how many minutes per hour does it stop?
 (1) 12 (2) 10
 (3) 9 (4) 20
116. If the cost price of 64 articles is same as the selling price of 48 articles, what is the profit per cent ?
 (1) $25\frac{1}{3}$ (2) 33
 (3) $33\frac{1}{3}$ (4) 25
117. A certain sum becomes Rs. 2188.68 in 8 years at the rate of 7% p.a. of simple interest.

118. How many cricket kits were sold during the last five years?
 (1) 214 (2) 160
 (3) 183 (4) 221

119. The perimeter of a triangular park is 400 metre. Its one side is 180 metre long and the difference between the lengths of the remaining two sides is 20 metre. What will be the area of the park ? (In sq. metre)
 (1) $8000\sqrt{2}$ (2) $6000\sqrt{2}$
 (3) $2000\sqrt{2}$ (4) $4000\sqrt{2}$

120. A street food vendor buys 100 samosas for Rs. 250. He sells 20 samosas at a profit of 5%. To gain 20% on the sale of all samosas, at what profit per cent should he sell the remaining samosas ?
 (1) 22.75% (2) 23.75%
 (3) 25.50% (4) 20.25%

121. Select the sentence from the given options that has used the correct form of verbs.

- (1) In front of them, with an intent to pain words and pictures, sat scores of children.
 (2) The swaying balloons looking like lotuses floating on a mountain lake.
 (3) Not really 'sat'; the children had to stand to demonstrating their artistic skills.
 (4) There is hundreds of them, both plastic and rubber.
122. Select the most appropriate option to fill in the blank.
 As soon as the clock struck 12 : 00, Cinderella _____ down the stairs to reach her carriage, but she was late.
 (1) running (2) is running
 (3) run (4) ran
123. Select the most appropriate idiom to fill in the blank.
 By agreeing to work in an office and also continue to study, he put himself _____.
 (1) under the weather
 (2) in a tight spot
 (3) high and dry
 (4) to fish in troubled waters
124. Select the most appropriate option that can substitute the underlined idiom in the given sentence.
 I don't know what your favourite colour is, but if I were to take a shot in the dark, I would say it's yellow.
 (1) A dangerous task
 (2) A wrong move
 (3) A lucky deed
 (4) A complete guess
125. Select the grammatically correct sentence from the given options.
 (1) The case is so urgent that it is postponed.
 (2) The case is too urgent not to be postponed.
 (3) The case is so urgent not to be postponed.
 (4) The case is too urgent to be postponed.

126. Select the most appropriate option that can substitute the underlined idiom in the given sentence.

Don't beat around the bush. Just tell me the truth.

- (1) To stall
- (2) To disclose secrets
- (3) To do something horrible
- (4) To keep complaining

127. Select the most appropriate prepositions to fill in the blanks.

Thirty years after being adopted _____ an Australian family and raised _____ Melbourne, Joel de Carteret has come back to his country, where he was born.

- (1) by; in
- (2) with; into
- (3) in; in
- (4) by; with

128. Select the most appropriate articles to fill in the blanks.

Fifty years ago, Korea was among _____ poorest on _____ earth but today it feels like an outpost from the future.

- (1) a; an
- (2) a; the
- (3) a; a
- (4) the; the

129. Select the option that can be used as a one-word substitute for the given group of words/phrase.

An emotional disorder characterised by an obsessive desire to lose weight by refusing to eat.

- (1) Cacophobia
- (2) Allophobia
- (3) Graphophobia
- (4) Anorexia

130. Select the most appropriate preposition to fill in the blank.

Freshwrap aluminium foil preserves the taste and flavours _____ your food, keeping it fresh long after you have packed it.

- (1) in
- (2) with
- (3) of
- (4) for

131. Select the most appropriate preposition to fill in the blank.

_____ a 14-hour flight from New York, I land in Seoul and discover that South Korea is in a state of shock.

- (1) From
- (2) After
- (3) Before
- (4) With

132. Select the most appropriate option that can substitute the underlined idiom in the given sentence.

I used to try to strike while the iron was hot but barely ever succeeded.

- (1) To act on an opportunity promptly while favourable conditions exist.
- (2) To act on an opportunity when it's summer.
- (3) To act on an opportunity to make a profit.
- (4) To act on an opportunity in anger.

133. Select the option that correctly expresses the given sentence in passive voice.

His conduct displeased his mother.

- (1) His mother get displeased at his conduct.
- (2) His mother was displeased on his conduct.
- (3) His mother was displeased with his conduct.
- (4) His mother got displeased on his conduct.

134. Select the grammatically correct sentence from the given options.

- (1) Many Icelanders still believe in supernatural creatures, this otherworldly land would have to be it and if there were a place where elves, dwarves and gnomes surreptitiously roamed.
- (2) Many Icelanders still believe in supernatural creatures, and if there were a place where elves, dwarves and gnomes surreptitiously roamed, this otherworldly land would have to be it.
- (3) Many Icelanders still believe in elves, dwarves and gnomes supernatural creatures, and if there were a place where surreptitiously roamed, this otherworldly land would have to be it.
- (4) This otherworldly land would have to be it and if there were a place where elves, dwarves and gnomes

surreptitiously roamed, many Icelanders still believe in supernatural creatures.

135. Select the most appropriate option to fill in the blank.

I am all _____ trying to find ways to save money for the future.

- (1) in consequence of
- (2) in course of
- (3) in consideration of
- (4) in favour of

136. Select the most appropriate preposition to fill in the blank. Seoul is a place that veers _____ utopia and dystopia with alarming speed and sleeps less than even New York.

- (1) off
- (2) from
- (3) among
- (4) between

137. Select the option that correctly expresses the given sentence in active voice.

I expect the work to be done by Mohan.

- (1) The work expects to be done by Mohan.
- (2) The expect Mohan to do the work.
- (3) The expects Mohan to do the work.
- (4) I am expecting Mohan does the work.

138. Select the grammatically correct sentence from the given options.

- (1) I woke in a panic and gasping for a deep breath, but the air that swirled around my constricted body was humid and dense.
- (2) Trying to remain calm, I took several slow and methodical breaths while my wheezing lungs brake the stillness inside the dark bedroom.
- (3) But it was enough for me to relaxing slightly and try to untangle my thoughts and surroundings.
- (4) Oxygen passed into my respiratory system like it was travelling through a tiny, plastic straw.

139. Select the option that can be used as a one-word substitute for the given group of words/phrase.

A person who acts against religion.

- | | |
|-------------|--------------|
| (1) Atheist | (2) Athetard |
| (3) Theist | (4) Heretic |

140. Select the most appropriate preposition to fill in the blank.

Korea's top Go champion, a complex strategic board game, is shown endlessly ___ monitors in the Seoul underground railway.

- | | |
|--------|-------------|
| (1) in | (2) through |
| (3) on | (4) above |