JAGRAN

Josh
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SSC Combined Graduate Level Tier- I Exam
2010 Set-2: Solved Question Paper

SSC COMBINED GRADUATE LEVEL 2010
Tier- I, Exam Evening Shift
Part -A General Intelligence & reasoning

1. Babu is Rahim's neighbour and his house is 200 metres away in the north west direction. Joseph is Rahim's neighbur and his house is located 200 meters away in the south west direction. Gopal is Joseph's neighbour and he stays 200 metres away in the south east direction. Roy is Gopal's neighbour and his house is located 200 metres away in the north east direction. then where is the position if Roy's house in relation to Babu's?
   (1) South east   (2) South west
   (3) North   (4) North east

2. A group of firneds are sitting in an arrangement one each at the corner of an octagon. All are facing the centre. Mahima is sitting diagonally opposite Rama, who is on Sushma's right. Ravi is next to Sushma and opposite Girdhar who is on Chandra's left. Savitri is not on Mahima's right but opposite Shalini. Who is on Shalini's right?
   (1) Ravi   (2) Mahima
   (3) Girdhar   (4) Rama

3. A cube has the following figures drawn on its five faces. The top surface is blank. The ellipse is between the cross and the triangle The square is on the right of th etringle The ellipse and the square are opposite to each other. Which face is the cricle on?
   (1) On the top
   (2) Oppostie to ellipse
   (3) Opposite to triangel
   (4) At the bottom

Directions (4-11) : In each of the following questions, select the related word/letters/number/figure from the given alternatives.

4. Fox : Cunning : : Rabbit : ?
   (1) Courageous   (2) Dangerous
   (3) Timid   (4) Ferocious

5. Flexible : Rigid : : confidence : ?
   (1) Diffidence   (2) Indifference
   (3) Cowardice   (4) Scare

6. AZCX : BYDW : : HQJO : ?
   (1) GRFP   (2) IPKM
   (3) IPKN   (4) GRJP

7. QIOK : MMKO : : YAWC : ?
   (1) USGA   (2) UESG
   (3) VUES   (4) SUEG

8. ABC : BCD : : CDE : ?
   F   I   L
   (1) DEF   (2) DEF
   (3) EDG   (4) DEF
   O

9. 1 : 8 : : 27 : ?
   (1) 37   (2) 47
   (3) 57   (4) 64

10. 24 : 126 : : 48 : ?
    (1) 433   (2) 192
    (3) 240   (4) 344

11. 987 : IHG : : 654 : ?
    (1) FDE   (2) FED
    (3) EFD   (4) DEF

Directions (12-18): in each of the folowing questions find the odd word/ letters/number/figure from the given responses.

12. (1) Room   (2) Chamber
    (3) Veranda   (4) Cabin

13. (1) Mouth ORgan
    (2) Electric Guitar
    (3) Keyboard
    (4) Sonata

14. (1) A   (2) I
    (3) D   (4) E

15. (1) RNMP   (2) HDCF
    (3) RPOQ   (4) HDCF

16. (1) abcdE   (2) ifghO
    (3) ApqrL   (4) UlmnE

17. (1) 6243   (2) 2643
    (3) 8465   (4) 4867

18. (1) 49-33   (2) 62-46
   (3) 83-67   (4) 70-55

19. From amongst the given alternatives, select the one in which the set of numbers is most liek the set of numbers given below:
(6, 14, 30)
   (1) 4, 16, 28   (2) 7, 12, 22
   (3) 6, 12, 22   (4) 5, 12, 20

20. Which one of the given responses would be a meaningful order of the following words?
   A. Family   B. Community
   C. Member   D. Locality
   E. Country
   (1) C, A, D, B, E
   (2) C, A, B, D, E
   (3) C, A, B, E, D
   (4) C, A, D, E, B

21. Arrange the following ords according to the dictionary :
(A) TORTOISE   B. TORONTO
C. TORPED   D. TORUS
E. TORSEL
   (1)   B, E, C, A, D
   (2)   B, E, C, D, A
   (3)   B, C, E, A, D
   (4)   B, C, E, D, A

22. Which set of letters when sequentially placed at the caps in the given letter series shall complete it?
   __a__aaaba__ __ba__ab__
   (1) abaaaa   (2) abaaba
   (3) aababa   (4) ababaa

Direction (23-27) : In each of the following questions, find the missing number/
   letters/figure from the given responses:

23. a, r, c, s, e, t, g, ___, ___
   (1) x, z   (2) u,i
   (3) w,y   (4) v,b

24. (?) PSVYB, EHKNQ, TWZCF, ILORU
   (1) BEHKN   (2) ADGJM
   (3) SVYBE   (4) ZCFIL

25. 0, 4, 18, 48, ?, 180
   (1) 58   (2) 68
   (3) 84   (4) 100

26. 36, 28, 24, 22 ?
   (1) 18   (2) 19
   (3) 21   (4) 22

27. 7, 9, 13, 21, 37, ?
   (1) 58   (2) 63
   (3) 69   (4) 72

28. Select the number which does NOT belong ot the given series: ˙
   232, 343, 454, 564, 676
   (1) 676   (2) 454
   (3) 343   (4) 564

29. A bus left with some definite number of pasengers. At the first stop. half the passegers left the bus and 35 boarded the bus. At the second stop th of the pasengers left and 40 boarded the bus. then, the bus moved with 80 passengers towards tis destination without stoping anywhere. How many pasengers were there orignially?
   (1) 25   (2) 30
   (3) 40   (4) 50

30. If the day after tomorrow is Sunday, what day was tomorrow's day before yesterday?
   (1) Friday   (2) Thursdsay
   (3) Monday   (4) Tuesday

31. A man is 3 years older than his wife and four times as old as his son. IF the son becomes 15 years old after 3 years, what is the present age of the wife?
   (1) 60 years   (2) 51 years
   (3) 48 years   (4) 45 years

32. X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. what is T to R?
   (1) Mother   (2) Wife
   (3) Sister   (4) Brother

33. Suresh is 7 ranks ahead of Ashok in the class of 39 students. IF Ashok's rank is 17th form the last, what is Suresh's rank from the start? th
   (1) 16th   (2) 23th

(3) 24th   (4) 15th

34. A word/set of letters given in capital letters is followed by four answer
    words. Out of these only one **cannot** be formed by using the letters of the
    given word/set of letrs. Find out that word:

    INDETERMINATE
    (1) DETERMINE
    (2) RETINUE
    (3) REMINDER
    (4) RETINA

35. A group of alphabets are given with each being assigned a numerical code. These have to be unscrambled into a meaningful word and the correct code so obtained may be indicated from the given responses?

    R A H K S
    1 2 3 4 5
    (1) 5 1 2 3 4   (2) 5 4 2 1 3
    (2) 5 3 2 1 4   (4) 5 1 3 2 4

36. A statement is given followed by two assumptions, (1) and (2). You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. you are to decide which of the given assumptions can definitely be drawn from the given statement. Indicate your answer.

Statement: Theoretical education does not bring in economic advancement and it lends to a steady loss of confidence and money in the country.

Assumptions:
(1) There is close relationship between development of confidence and economic development.
(2) Theoretical education makes priceless contribution for development of confidence.
    (1) only 1 is implicit
    (2) only 2 is implicit
    (3) both 1 and 2 are implicit
    (4) both 1 and 2 are not implicit

37. Two statements are given followed by four conclusions, I, II, III and IV. You have to consider the statements to be true, even if they seem to b eat variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statements. indicate your answer.

Statements:
(A) No cow is a chair.
(B) All chairs are tables.

Conclusions:
I. Some tables are chairs.
II. Some tables are cows.
III. Some chairs are cows.
IV. No table is a cow.
    (1) Either II or III follow
    (2) Either II or IV follow
    (3) Only I follows
    (4) All conclusions follow

38. If HONESTY is written as 5123468 and POVERTY as 7192068, how is
    HORSE written in a certain code?
    (1) 50124   (2) 51042
    (3) 51024   (4) 52014

39. In a certain code SISTER is written as RHRSDQ. How is UNCLE written in that code?
    (1) TMBKD   (2) TBMKD
    (2) TVBOD   (4) TMKBD

40. If 841 = 3, 633= 5, 425=7 then 217=?
        (1) 6   (2) 7
        (3) 8   (4) 9

41. The following equations follow a common property. Find out the correct vale to complete D :
    A = 51 (714) 14; B = 61 (915) 15;
    C= 71 (1136) 16; D= 81 (?) 17
    (1) (1377)   (2) (1378)
    (3) (1356)   (4) (1346)

42. After interchanging   and = 2 and 3which one of the following statements becomes correct?
        (1) 15 = 23   (2) 515 =2
        (3) 2 = 153   (4) 3 = 2 15

43. 25*2*6=4*11*0
    Which set of symbols can replace*?

(1) x, -, x, +   (2) +, -, x, +
(3) x, +, x, -   (4) x, +, +, x
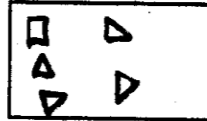
44. Find the missing number from the given responses:

5	6	12
4	3	4
2	3	?
18	27	96

(1) 4   (2) 5
(3) 3   (4) 6

45. Petr walked 8 kms. west and turned right and walked 3 kms. The again he turned right and walked 12 kms. How far is he from the starting point?
(1) 7   (2) 8
(3) 4   (4) 8

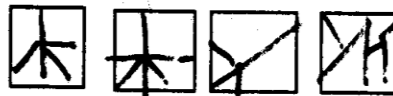46. Choose the correct figure that represents the given relation: Blue eyed, females, doctors

(1)

(2)

(3)

(4)

47. Among the four answer figures, which figure can be formed from the cutpiece3s given below in the question figure?

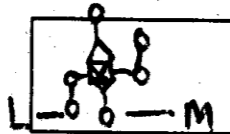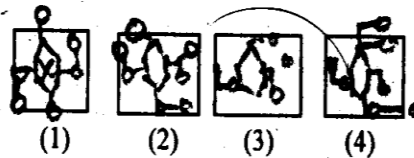**Questions Figure:**

Answer Figures:

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

48. If the mirror is placed on the line LM, then which of the answer figures is the right image of the given question figure?
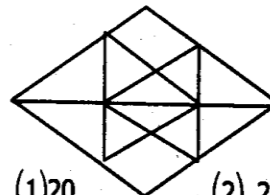
Questions Figure:

Answer Figures:
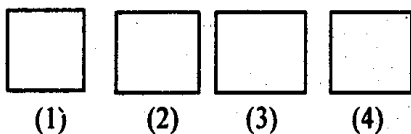
(1)   (2)   (3)   (4)

49.

(1) 20   (2) 24
(3) 28   (4) 32

50. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question Figure:

Answer Figure

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

Part-B
General Awareness

51. Which of the following Indonesian regions was a victim of massive earthquake in 2004?
  (1) Irian Jaya   (2) Sumatra
  (3) Kalibangan   (4) Java

52. The first non-stop air-conditioned DURANTO train was flagged off between
  (1) Sealdah - New Delhi
  (2) Mumbai- Howrah
  (3) Bangalore- Howrah
  (4) Chennai - New Delhi

53. Which among the following agencies released the report, Economic Outlook for 2009-10 ?
  (1) Planning Commission
  (2) PM's Economic Advisory
  (3) Finance Commission
  (4) Reserve Bank of India

54. India and U.S. have decided to finalise. agreements related to which of the followings?
  (1) Trade and Investment
  (2) Intellectual Property
  (3) Traditional Knowledge
  (4) All of the above

55. Which one of the following states does not form part of Narmada River basin?
  (1) Madhya Pradesh
  (2) Rajasthan
  (3) Gujarat
  (4) Maharashtra

56. Which of the following countries has recently become the third largest market for Twitter?
  (1) China   (2) India
  (3) Brazil   (4) Indonesia

57. The exchange of commodities between two countries is referred as
  (1) Balance of trade
  (2) Bilateral Trade
  (3) Volume of trade
  (4) Multilateral trade

58. Soil erosion on hill slopes can be checked by
  (1) Aforestation
  (2) Terrace cultivation
  (3) Strip cropping
  (4) Contour ploughing

59. Who coined the word Geography?
  (1) Ptolemy
  (2) Eratosthenese
  (3)Hacataus
  (4) Herodatus

60. Which of the following is calle dthe "ecological hot spot of India" ?
  (1) Western Ghats
  (2) Eastern Ghats
  (3) Western Himalayas
  (4) Eastern Himalayas

61. The art and science of map making is called
  (1) Remote Sensing
  (2) Cartography
  (3) Phtogrammetry
  (4) Mapping

62.The age of the Earth can be determined by
  (1) Geological Time Scale
  (2) Radio-Metric Dating
  (3) Gravity method
  (4) Fossilization method

63. The monk who influenced Ashoka to embrace Buddhism was
    (1) Vishnu Gupta
    (2) UPa Gupta
    (3) Brahma Gupta
    (4) Brihadratha

64. The declaration that Democracy is a Government of the people by the people: for the people was made by
    (1) George Washington
    (2) Winston Churchill
    (3) Abraham Llncoln
    (4) Theodore Roosevelt

65. The Lodi dynasty was founded by
    (1) Ibrahim Lodi
    (2) Sikandar Lodi
    (3) Bahlol Lodi
    (4) Khizr Khan

66. Harshwardhana was defeated by
    (1) Prabhakaravardhana
    (2) Pulakeshin II
    (3) Narasimhaswarma Pallava
    (4) Sasanka

67. Who among the folliwing was an illiterate?
    (1) Jahangir   (2) Shah Jahan
    (3) Akbar   (4) Aurangazeb

68. which Governor General is associated with Doctrine of Lapse?
    (1) Lord Ripon
    (2) Lord Dalhousie
    (3) Lord BEntinck
    (4) Lord Curzon

69. India attained Dominion Status on
    (1) 15th January, 1947
    (2) 15th August, 1947
    (3) 15th August, 1950
    (4) 15th October, 1947

70. Despotism is possible in a
    (1) One party state
    (2) who party state
    (3) Multi Party state
    (4) Two and multi party state

71. Marx belonged to
    (1) Germany   (2) Holland
    (3) France   (4) Britain

72. which one of the following is the guardian of Fundamental Right?
    (1) Legislature
    (2) Executive
    (3) Political parties

73. Sarkraia Commission was concerned with
    (1) Administrative reform
    (2) Electoral Reforms
    (3) Financial Reforms
    (4) Centre -state relations

74. The Speaker of the Lok-Sabha has to address his/her letter rof resignation to
    (1) Prime Minister of India
    (2) President of India
    (3) Deputy Speaker of Lok Sabha
    (4) Minister of Parliamentrary Affairs

75. A want becomes a demand only when it is backed by the
    (1) Ability to purchase
    (2) Necessity to buy
    (3) Desire to buy
    (4) Utility of the product

76. The terms "Micro Economics" and "Macro Economics" were coined by
    (1) Alfred Marshall
    (2) Ragner Nurkese
    (3) Ragner Frisch
    (4) J.M. KEynes

77. During periods of inflation, tax rates should
    (1) Increase
    (2) decrease
    (3) remain constant
    (4) fluctuate

78. Which is the biggest tax paying sector in India?
    (1) Agriculture sector
    (2) Industrial Sector
    (3) Transport sector
    (4) Banking sector

79. "Economics is what is ought to be" This statement refers to
    (1) Normtive economics
    (2) Positive economics
    (3) Monetary economics
    (4) Fiscal economics

80. The excess of price a person is to pay rather than forego the consumption of the commodity is called
    (1) Price
    (2) Profit
    (3) producers' surplus
    (4) Consumer's surplus

81. Silver halides are used in photo grapphic plates because they are
    (1) oxidised in air
    (2) soluble in hyposolution
    (3) reduced by light
    (4) totally colourless

82. Tetra ethyle lead (TEL) is
    (1) a catalyst in burning fossil fuel
    (2) an antioxidant
    (3) a reductant
    (4) an antiknock compound

83. Curie point is the temperature at which
    (1) matter becomes radioactive
    (2) A metal losed magnetic properties.
    (3) A metal loses conductivity
    (4) Transmutation of metal occurs.

84. The isotope used for the production of atomic energy is
    (1) U-235   (2) U-238
    (3) U-234   (4) U-236

85. The acceleration due to gravity at the equator
    (1) is less than that at the poles
    (2) is greater than that at the poles
    (3) is equal to that at the poles
    (4) does not depend on the earth's centripetal acceleration

86. Which of the following is not a nucleon ?
    (1) Proton   (2) Neutron
    (3) Election   (4) Positron

87. The material used in the manufacture of lead pencil is
    (1) Graphite   (2) Lead
    (3) Carbon   (4) Mica

88. Angle of friction and angle of repose are
    (1) equal to each other
    (2) not equal to each other
    (3) proportional to each other

    (4) None of the above

89. Porcessor's speed of a computer is measured in
    (1) BPS   (2) MIPS
    (3) Baud   (4) Hertz

90. 'C' language is a
    (1) Low level language
    (2) High level language
    (3) Machine level language
    (4)Assembly level language

91. What happens to a person who receive the wrong type of blood?
    (1) All the arteries constrict
    (2) All the arties dialates
    (3) The RBCs aglutionate
    (4) The spleen and lymphnodes deterorate

92. NIS stands for
    (1) National Infectious diseases Seminar
    (2) National Irrigation Schedule
    (3) National Immunisation Schedule
    (4) National Information Sector

93. If all bullets could not be removed from gun shot injury of a man, it may cause poisoning by
    (1) Mercury   (2) Lead
    (3) Iron   (4) Arsenic

94. Ringworm is a ..... disease.
    (1) Bacterial   (2) Protozoan
    (3) Viral   (4) Fungal

95. Pituitary gland is situated in
    (1) the base of the heart
    (2) the base of the brein
    (3) the neck
    (4) the abdomen

96. Who discovered cement?
    (1) Agassit
    (2) lbertus Magnus
    (3) Joseph Aspdin
    (4) Janseen

97. According to RBI's report on the trend and progress of banking, the Non-performing Assets (NPA's) in India for 2008-09 for Indian Banks in 2008 have stood at
    (1) 2.3 per cent

(2) 2.6 per cent
(3) 3.5 per cent
(4) 5.2 per cent

98. Window 7, the latest operating system from Microsoft Corporation has.... Indian languages fonts.
(1) 14 (2) 26
(3) 37 (4) 49

99. TRIPS and TRIMS are the terms associated with
(1) IMF (2) WTO
(3) IBRD (4) IDA

100. A Presidential ORdinance can remain in force
(1) for three months
(2) for six months
(3) for nine months
(4) Indefinitely

Part-C
Numerical Aptitude

101. In hcw many years will a sum of Rs. 800 at 10% per annum compound interest, comounded semi-annually becomes Rs. 926.10?
(1) $1\frac{1}{2}$ (2) $1\frac{2}{3}$
(3) $2\frac{1}{3}$ (4) $2\frac{1}{2}$

102. In a 100m race, Komal defeats Bimal by 5 seconds. If the speed of Komal is 18 Kmph, then the speed of Bimal is
(1) 15.4 Kmph
(2) 14.5 Kmph
(3) 14.4 Kmph
(4) 14 Kmph

103. A train, 240 m long crosses a man walking along the line in opposite direction at the rate of 3 Kmph in 10 seconds. The speed of the train is
(1) 63 Kmph (2) 75 Kmph
(3) 83.4 Kmph (4) 86.4 Kmph

104. A boatman rows 1 km in 5 minutes, along the stream and 6 km in 1 hour against the stream. The speed of th is
(1) 3 Kmph (2) 6 K
(3) 10 Kmph (4) 12]

105. A can complete of a work in 5 and B, of the work in 10 da how many days both A and F together can complete the wc
(1) 10 (2) 9.
(3) $8\frac{4}{5}$ (4) 7.

106. 7 man can complete piece of 12 days. How many additio will be required to complet the in 8 days?
(1) 28 (2) 21
(3) 14 (4) 7

107. One pipe fills a water tank thr faster than anothe pipe. If pipes together can fill the em in 36 minutes, then how muc will the slowre pipe alone take the tank?
(1) 1 hour 21 minutes
(2) 1 hour 48 minute
(3) 2 hours
(4) 2 hour 24 minutes

108. In an examination, a stdent sc marks for every correct answer anc losed 1 mark for every wrong A student at templete all the 200 questions and scored, in all 2C marks. The number of questions he answered correctly was
(1) 82 (2) 8(
(3) 68 (4) 6(

109. The average of odd numbers ι is
(1) 50.5 (2) 5(
(3) 49.5 (4) 4ℭ

110. If A's income is 25% less thaι income, by how much per ce income more than that of A?

(1) 25   (2) 30

(3) $33\frac{1}{3}$ (4) $66\frac{2}{3}$

111. $(1^2 + 2^2 + 3^2 + \ldots\ldots\ldots + 10^2)$ is equal to

 (1) 380   (2) 385

 (3) 390   (4) 392

112. The sixth term of the sequence 2, 6, 11, 17, …………is

 (1) 24   (2) 30

 (3) 32   (4) 39

113. Two number are in the ratio 7: 11. If 7 is added to each of the numbers, the ratio becomes 2 : 3. The smaller number is

 (1) 39   (2) 49

 (3) 66   (4) 77

114. $\left(1-\frac{1}{3}\right)\left(1-\frac{1}{4}\right)\left(1-\frac{1}{5}\right)$ ………

$\left(1-\frac{1}{25}\right)$

is equal to

 (1) $\frac{2}{25}$ (2) $\frac{1}{25}$

 (3) $1\frac{19}{25}$ (4) $\frac{1}{325}$

115. A number, when divided by 136, leaves remainder 36. If the same number is divided by 17, the remainder will be

 (1) 9   (2) 7

 (3) 3   (4) 2

116. Simplified from of is

 (1) x^5 (2) x^{-5}

 (3) x   (4)

117. A 4-digit number is formed by repeating a 2-digit number such as 1515, 737, etc. Any number of this form is exactly divisible by

 (1) 7   (2) 11

 (3) 13   (4) 101

118. $(0.1 \times 0.01 \times 0.001 \times 10^7)$ is equal to

 (1) 100   (2)

 (3)   (4) 10

119. If $2p+= 4$ the value of $p^3 +$ is

 (1) 4   (2) 5

 (3) 8   (4) 15

120. IF P and Q represent digits, what is the possible maximum value of Q in the statement 5p9 + 327 + 2q8 = 1114 ?

 (1) 9   (2) 8

 (3) 7   (4) 6

121. The least mong the fractions $\frac{15}{16}$ $\frac{19}{20}$ $\frac{24}{25}$ $\frac{34}{35}$ is

 (1) $\frac{34}{35}$ (2) $\frac{15}{16}$

 (3) $\frac{19}{20}$ (4) $\frac{24}{25}$

122. 1.27 in the form $\frac{p}{q}$ is equal to

 (1) $\frac{127}{100}$ (2) $\frac{73}{100}$

 (3) $\frac{14}{11}$ (4) $\frac{11}{14}$

123. $\frac{3.25 \times 3.20 - 3.20 \times 3.05}{0.064}$ is equal to

 (1) 1   (2) $\frac{1}{2}$

 (3) $\frac{1}{10}$ (2) 10

124. Out of six consecutive natural numbers, if the sum of first three is 27, what is the sum of the other three?

 (1) 36   (2) 35

(3) 25   (4) 24

125. The H.C. and L.C.M. of two numbers are 12 and 336 respectively. If one of the numbers is 84, the other is

(1) 36   (2) 48

(3) 72   (4) 96

126. The sum of two numbers is 36and their H.C.F. and L.C.M. are 3 and 105 respectively. The sum of the reciprocals of two numbers is

(1) $\dfrac{2}{35}$ (2) $\dfrac{3}{25}$

(3) $\dfrac{4}{35}$ (4) $\dfrac{2}{25}$

127. If 'n' be any natural number then by which largest number (n^3-n) is alays dividible?

(1) 3   (2) 6

(3) 12   (4) 18

128. If 1.5 a = 0.04 b then is $\dfrac{b-a}{b+a}$ equal to

(1) $\dfrac{73}{77}$ (2) $\dfrac{77}{33}$

(3) $\dfrac{2}{75}$ (4) $\dfrac{75}{2}$

129. How many perfect squares lie between 120 and 300 ?

(1) 5   (2) 6

(3) 7   (4) 8

130.   is equal to

(1) 1010   (2) 110

(3) 101   (4) 100

131. If there is a profit of 20% on the cost price of an article, then ercentage of profit calculated on its selling price will be

(1) 24   (2) $16\dfrac{2}{3}$

(3) $8\dfrac{1}{3}$ (4) 20

132. If the cost price of 15 books is to the selling price of 20 books, the loss percent is

(1) 16   (2) 2(

(3) 24   (4) 2!

133. IF an article is sold at 200% ; then the ratio fo its cost price to its selling price will be

(1) 1 : 2   (2) 2

(3) 1 : 3   (4) 3:

134. If on a market price, the differ selling prices with a discc 30% and two successive i of 20% and 10% is Rs. 7: the marked price (in rupe

(1) 3,600   (2) 3,

(3) 2,500   (4) 2,

135. If an electricity bill i spaid be date, one gets a reduction on the amount of the bill. paying the bill before due person got a reduction of The amount of his electir was

(1) Rs. 125   (2) R

(3) Rs. 325   (4) R

136. Successive discounts of 10% : 30% is equivalent to a sin discount of

(1) 60%   (2) 4!

(3) 40.5%   (4) 36!

137. The price of an article was fir: increased by 10% and the by 20% If the last increas be Rs. 33, the original pri

(1) Rs. 30   (2) Rs.

(3) Rs. 26.50   (4) Rs.

138. If each side of a square is incr by 10%. its area will be increased l

(1)   10%   (2) 21

(3) 44%   (4) 10

139. The ratio of milk and water in mixtures of four containers are 5 : :

3: 2 and 7: 4 respectively. In which container is the quantity of milk, relative to water, minimukm?

(1) First   (2) Second

(3) Third   (3) Fourth

140. Two numbers are in the ratio 1: 3 If their sum is 240, then their difference is

(1) 120   (2) 108

(3) 100   (4) 96

141. The ratio of incoem and expenditure of a person is 11 : 10. If he saved Rs. 9,000 per annum his monthly income is

(1) Rs. 8,000   (2) Rs. 8,800

(3) Rs. 8,500   (4) Rs. 8,250

142. If $W_1 : W_2 = 2 : 3$ and $W_1 : W_2 = 1 : 2$ then $W_2 : W_3$ is

(1) 3 : 4   (2) 4 : 3

(3) 2 : 3   (4) 4 : 5

143. A copper wire of lenght 36 m and diameter 2 mm is melted to form a sphere. The radium of the sphere (in cm) is

(1) 2 . 5   (2) 3

(3) 3. 5   (4) 4

144.The ratio of the radil of two wheels is 3 : 4. The ratio of their cirucmferences is

(1) 4 : 3   (2) 3 : 4

(3) 2 : 3   (4) 3 : 2

154. If the length of a rectangle is increased by 10% and its breadth is decreased

by 10% then change in its area will be increase

(1) 1% decrease

(2) 1% decrease

(3) 10% decrease

(4) No change
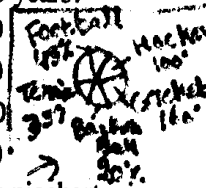
146. In how many years will a sum of money double itself at simple interest per annum?

(1) 24   (2) 20

(3) 16   (4) 12

147. A sum of Rs. 12,000, deposited at compound interest becomes double after 5 years. How much will it be after 20 years?

(1) Rs. 1,44,000

(2) Rs. 1,20,000

(3) Rs. 1,50,000

(4) Rs. 1,92,000

Direction (148-150) : The piechart, given here, shows the amount of money spent on various sports by a school administration in a particular year. Observe the pie chart and answer the equstions based on this graph.

148 .If the money spent on football was Rs. 9,000how much more money was spent on hockey then on football?

(1) Rs. 11,000   (2) Rs.11,500

(3) Rs. 12,000   (4) Rs.12,500

149. If the money spent on football was Rs. 9,000, what amount was spent on Cricket?

(1) Rs.31,000   (2) Rs. 31,500

(3) Rs. 32,000   (4) Rs. 32,500

150. If the money spent on football is Rs. 9, 000 then what was the total amount spent on alll sports?

(1) Rs. 73,000   (2) Rs. 72,800

(3) Rs. 72,500   (4) Rs. 72,000

English Comprehension

Directions (151-155) in the following questions sentences are given with blanks to be filled in with an appropriate Word (s). four alternatives are suggested for each question. Choose the correct alternative out of the four.

151. The court_____ cognizance of the criminal's words.

(1) took   (2) made

(3) gave   (4) allowed

152. _____ wins this civil war there will be title rejoicing at the victory.
    (1) whichever   (2) Whoever
    (3) Whatever   (4) Wherever

153. As he got older his belief in these principles did not_____.
    (1) wither   (2) shake
    (3) waver   (4) dither

154. everyone in this world is accountable to God_____ his actions.
    (1) about   (2) for
    (3) to   (4) over

155. your father used to be the principal of this college,
    (1) did he?
    (2) does he?
    (3) didn't he?
    (4) doesn't he?

Directions (156-160) : in the following questions, choose the word opposite in meaning to the given word.

156. JETTISON
    (1) accept   (2) reward
    (3) Preserve   (4) consent

157. AMELIORATE
    (1) improve   (2) depend
    (3) soften   (4) worsen

158. GROTESQUE
    (1) funny   (2) irrational
    (3) weak   (4) partisan
    (1) natural   (2) odd
    (3) whimsical   (4) sinful

159. DEVIOUS
    (1) straight   (2) obvious
    (3) simple   (4) superficial

160. EVANESCENT
    (1) imminent   (2) permanent
    (3) pervasive   (4) immanent

Directions (161-165) : in the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

161. DEBACLE
    (1) decline
    (2) downfall
    (3) discomfiture
    (4) degeneration

162. OSTRACISE
    (1) banish   (2) belittle
    (3) Beguile   (4) besiege

163. PROPHYLACTIC
    (1) antagonistic   (2) toxic
    (3) preventive   (4) purgative

164. CODDLE
    (1) huddle   (2) satisfy
    (3) protect   (4) cheat

165. FLIMSY

Directions (166-170): in the following questions, a part of the sentence is printed in bold. Below are given alternatives to the bold part at (1), (2) and (3) which may improve the sentence, choose the correct alternative. in case no improvement is needed your answer is (4).

166. to get into the building I'll **disguise as** a reporter.
    (1) disguise to be
    (2) disguise as one
    (3) disguise myself
    (4) No improvement

167. He denied that he **had not forged** my signature.
    (1) would not forge
    (2) had forged
    (3) did not forge
    (4) No improvement

168. IF **I had played well**, I would have won the match.
    (1) I played well
    (2) I play well
    (3) I am playing will
    (4) No improvement

169. since the records are missing, the possibility of paying more than one compensation for the same piece of land cannot be **ruled aside**.
(1) out   (2) off
(3) away   (4) No improvement

170. A callus system **generates** nothing but a misanthrope.
    (1) develops   (2) induces
    (3) Produces   (4) No improvement

Direction (171-175): In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

171. One who hiden away on a ship to obtain a free passage
    (1) Compositor   (2) Stoker
    (3) Stowaway   (4) Shipwright

172. Clues available at a scene
    (1) Circumstantial
    (2) derivative
    (3) inferential
    (4) suggestive

173. An unexpected piece of good fortune.
    (1) windfall
    (2) Philanthropy
    (3) benevolence
    (4) turnstile

174. An emolument over an above fixed income or salary
    (1) Honorarium
    (2) Sinecure
    (3) Perquisite
    (4) Prerogative

175. The animals of a particular region.
    (1) Flora   (2) Museum
    (3) Zoo   (4) Fauna

Directions (176-180): in the following questions, groups of four words are given. In each group. One word is correctly spelt. Find the correctly spelt word.

176. (1) paraphernalia
    (2) Parsimonious
    (3) peccadillo
    (4) pediatrics

177. (1) measureable
    (2) manageable
    (3) marriageable
    (4) maneuverable

178. (1) tussle   (2) tunnel
    (3) tumble   (4) treble

179. (1) populus
    (2) pompuous
    (3) prelious
    (4) presumptuous

180. (1) impomptue
    (2) illustrious
    (3) illusory
    (4) impetous

Directions (181-185) : In the following questions, the 1st and the last sentences of the passage are numbered 1 and 6. The rest of the passage is split into four parts and named P,Q,R, and S. these four parts are not given in their proper order Read the sentence and find out which of the four combinations is correct. Then find the correct answer.

181. 1. The most vulnerable section of the society are the students.
    P. Revolutionary and new fledged ideas have a great appeal to them
    Q. Agitations may be non-violent methods of protest.
    R. They cannot resist the charm of persuasion.
    S. they are to be taught that without discipline they cannot get proper education.
    6. However is these become violent, the antisocial elements get encouraged and they put all proper working out of gear.
    (1) RPSQ   (2) RSQP
    (3) SRPQ   (4) RPQS

182. 1. Venice is a strange city.
    P. There are about 400 odd bridges connecting the is lands of Venice,
    Q. There are no motor cars, no horses and no buses here
    R. These small island are close to one another
    S. It is not one island but a hundred islands.
    6. This is because Venice has no streets.
    (1) SRPQ   (2) PRSQ
    (3) RQPS   (4) QSRP

183. 1. One of the most terrible battles so the American Civil war was fought in

July 1863, at Gettysburg.

P. The chief speech on that occasion was given by Edward Everett, a celebrated orator.

Q. Lincoln was asked to make a few remarks.

R. In November of that year a portion of the battlefield was dedicated as'
a final resting place for men of both armies who died there.

S. Everett's speech lasted 2 hours. Lincoln's for 2 minutes; it was over
almost be fore the crowd realized that it had begun.

6. But the Gettysburg speech is now one of the world's immoral pieces
of literature.

(1) SQRP   (2) RPQS
(3) PQRS   (4) QPSR

184. 1. The teacher training agency in England hopes to make teaching one of the
top three professions.

P. They have also demanded that the campaign should be matched by
improved pay scales, work load and morale so as to avoid recruitment
problems with an aim to raise the image of the teaching profession.

Q. A series of advertisements are now being screened· showing famous people speaking about teachers they remember and admire.

R. An amount of $ 100 million has been set aside to combat the shortage of applicants for teacher training.

S. Teacher Unions have welcomed this campaign.

6. It is high time for the Indian Government also to think on similar lines and take steps to lift up the sinking morale of the teaching profession.

(1) QRPS   (2) RPSQ

(3) RQSP   (4) QPSR

185. 1. Some say that failure is like toxic waste.

P. I see failure more as a fertilizer.

Q. Thinking about is pollutes and undermines the attitudes needed for success.

R. The seeds of success must be planted afresh.

S. It can be used to enrich the soil of your mind.

6. Turning failure into a fertilizer is accomplished by using your errors as steps in learning.

(1) SRQP   (2) PQSR
(3) SPQR   (4) QPSR

Directions (186. -190) : In the following questions, a sentence has been given in Active Voice/Passive voice, Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/ Active Voice.

186. The agent had disclosed the secret before it was evening.

(1) The secret was disclosed by the agent before it was evening.

(2) the secret had disclosed by the agent before it had been evening.

(3) the secret had been disclosed by the agent before it was evening.

(4) The secret was disclosed by the agent before it had been evening.

187. Surely the lost child must have been found by now.

(1) Surely must have found the lost child by now.

(2) Surely someone must have found the lost child by now.

(3) Surely now must have found the lost child

(4) Now most have found the lost child surely.

188. We serve hot meals till 10.30 guests can order, coffee and sandwiches upto. 11.30

(1) Hot meals are serving till 10.30:
coffee and sandwiches are
ordering
by guests till 11.30.

(2) Hot meals are being served till
10.30 : coffee and sandwiches are
being
ordered till 11.3.

(3) Hot meals are served till 11.30.

(4) Hot meals will be served · till
10.30: coffee and sandwiches
will be
ordered upto 11.30.

189. lie face- down; stretch your arms in
front.

(1) You are face down, arms are to be
outstretched

(2) you should be lying face down,
with arms outstretched.

(3) You should be lying face down; let
arms stretch out.

(4) let face be down; let arms be
stretched out.

190. The Greeks expected to win the
international trophy.

(1) It was expected that the Greeks
would win the international
trophy.

(2) The international trophy was
expected to be won by the Greeks

(3) It was expected that the
international trophy.

(4) It was expected by the Greeks that
they would win the international
trophy.

Directions (191-195) : In the
following questions, you have one brief
passage with 5 questions following the
passage. Read the passage carefully and
choose the best answer to each question
out of the four alternatives.

In may 1966, the world Health
organization was authorized to initiate a
global campaign to eradicate small pox.
The goal was to eradicate the disease in
one decade. Because similar projects for
malaria and yellow fever had failed, few
believed that smallpox could actually be
eradicated, but eleven years after the initial
organization of the campaign, no cases
were reported in the field.

The strategy was not only to provide
mass vaccinations, but also to isoate
patients with active small-pox in order to
contain the spread of the disease and to
break the of human transmission. Rewards
for reporting small-pox assisted in
motivating the public to aid health
workers, one by one, each small-pox
victim was sought out, removed from
contact with others and treated. At the
same time, the entire, village where the
victim had lived was vaccinated.

Today small-pox is no longer a thereat
to humanity. Routine vaccinations have
been stopped worldwide.

191. Which of the following is the best
title for the passage?

(1) The World Health Organization

(2) The Eradication of Small-pox

(3) Small-pox Vaccinations

(4) Infections Diseases

192. What was the goal of the campaign
against small-pox ?

(1)To decrease the spread of small-pox
worldwide.

(2) To eliminate small-pox worldwide
in ten years.

(3) To provide mas vaccinations
against small –pox worldwide

(4) To initiate worldwide projects .for
small-pox, malaria and yellow
fever
at the same time

193. According to the paragraph what was
the strategy used to eliminate the
spread of small –pox?

(1) Vaccination of the entire village

(2) treatment of individual victims.

(3) Isolation of victims and mass
vaccinations

(4) Extensive reporting of out breaks.

194. Which statement doesn't refer to small-pox?
     (1) Previous projects had failed.
     (2) People are no longer vaccinated for it.
     (3) The World Health Organization mounted a worldwide campaing to
         eradicate the disease.
     (4) it was a serious threat.
195. It can be inferred that
     (1) No new cases of small-pox have been reported this year.
     (2) malaria and yellow fever have been eliminated.
     (3) small —pox victims no longer die when they contract the disease.
     (4) small —pox is not transmitted from one person to another.

Directions (196-200) : some of the sentence have errors and some have none. Find out which part of a sentence has an error. The number of that part is your answer. If there is no error. Your answer is (4).

196. Judge in him (1)/prevailed upon the father (2)/ and he sentenced his son to death. (3) /no error (4).
197. Nine tenths (1) of the pillar (2) and he sentenced his son to death. (3) / no error (4).
198. One major reason(1) / for the popularity of television is (2)/ that most people like to stay at home. (3)/ No error (4).
199. Our efforts are (1) / aimed to bring about (2) /reconciliation. (3)/ no error (4).
200. Three conditions (1) /critical for growing(2)/plants are soil, temperature, chemical balance or amount of moisture. (3)/no error (4) .

ANSWERS:

1	(1)	51	(2)	101	(1)	151	(1)
2	(1)	52	(1)	102	(3)	152	(2)
3	(4)	53	(2)	103	(3)	153	(1)
4	(3)	54	(4)	104	(1)	154	(2)
5	(1)	55	(2)	105	(2)	155	(3)
6	(3)	56	(2)	106	(3)	156	(1)
7	(2)	57	(3)	107	(4)	157	(4)
8	(1)	58	(2)	108	(2)	158	(1)
9	(4)	59	(2)	109	(2)	159	(1)
10	(4)	60	(1)	110	(3)	160	(2)
11	(2)	61	(2)	111	(2)	161	(2)
12	(3)	62	(2)	112	(3)	162	(1)
13	(4)	63	(2)	113	(2)	163	(3)
14	(3)	64	(3)	114	(1)	164	(2)
15	(3)	65	(3)	115	(4)	165	(3)
16	(3)	66	(2)	116	(3)	166	(3)
17	(4)	67	(3)	117	(4)	167	(2)
18	(4)	68	(2)	118	(4)	168	(4)
19	(2)	69	(2)	119	(2)	169	(1)
20	(2)	70	(1)	120	(3)	170	(3)
21	(3)	71	(1)	121	(2)	171	(3)
22	(1)	72	(4)	122	(3)	172	(1)
23	(2)	73	(4)	123	(4)	173	(1)
24	(2)	74	(3)	124	(1)	174	(1)
25	(4)	75	(4)	125	(2)	175	(4)
26	(3)	76	(4)	126	(3)	176	(2)
27	(3)	77	(1)	127	(2)	177	(2)
28	(4)	78	(2)	128	(1)	178	(3)
29	(2)	79	(1)	129	(3)	179	(4)
30	(2)	80	(3)	130	(4)	180	(2)
31	(4)	81	(3)	131	(2)	181	(1)
32	(2)	82	(4)	132	(4)	182	(1)
33	(1)	83	(2)	133	(3)	183	(2)
34	(2)	84	(1)	134	(1)	184	(3)
35	(3)	85	(1)	135	(3)	185	(4)
36	(4)	86	(4)	136	(2)	186	(3)
37	(*)	87	(1)	137	(4)	187	(2)
38	(2)	88	(1)	138	(2)	188	(3)
39	(1)	89	(2)	139	(2)	189	(4)

40	**(4)**	**90**	**(2)**	**140**	**(1)**	**190**	**(4)**
41	**(1)**	**91**	**(3)**	**141**	**(4)**	**191**	**(2)**
42	**(2)**	**92**	**(4)**	**142**	**(1)**	**192**	**(2)**
43	**(1)**	**93**	**(4)**	**143**	**(2)**	**193**	**(3)**
44	**(4)**	**94**	**(4)**	**144**	**(2)**	**194**	**(1)**
45	**(4)**	**95**	**(2)**	**145**	**(2)**	**195**	**(3)**
46	**(4)**	**96**	**(3)**	**146**	**(3)**	**196**	**(1)**
47	**(1)**	**97**	**(1)**	**147**	**(4)**	**197**	**(2)**
48	**(1)**	**98**	**(4)**	**148**	**(1)**	**198**	**(3)**
49	**(3)**	**99**	**(2)**	**149**	**(3)**	**199**	**(2)**
50	**(1)**	**100**	**(2)**	**150**	**(4)**	**200**	**(3)**