



SSC

Combined Graduate Level (Tier - 1) Exam



Date : 19-6-2011

(IInd Meeting)

PART - (A) : GENERAL INTELLIGENCE AND REASONING

1. If MEKLF is coded as 91782 and LLLJK as 88867, then how can IGHED be coded?
 (a) 97854 (b) 64521
 (c) 53410 (d) 75632

2. Two statements are given below followed by four alternative inferences. Select the one which is most appropriate.

Statements :

- (i) All radios sold in that shop are of high standard.
 (ii) Some of Murphy radios are sold in that shop.

Inferences :

1. All radios of high standard are manufactured by Murphy company.
 2. Some of the Murphy radios are of high standard.
 3. None of the Murphy radios is of high standard.
 4. Some of the Murphy radios of high standard are sold in that shop.
 (a) 1 and 2 inferences only
 (b) 2 and 4 inferences only
 (c) 1 and 3 inferences only
 (d) 1 and 4 inferences only

Directions : In Q. No. 3 and 4, select the missing number from the given responses :

3.

7	3	2
4	9	6
2	1	5
69	91	?

- (a) 58 (b) 51
 (c) 65 (d) 64



- (a) 343 (b) 512
 (c) 729 (d) 1000

5. The population of rats is increasing year after year in a village. Find out the missing population from the following information :

Years :	1990	1991	1992	1993	1994	1995
Population :	4	8	16	?	44	64

- (a) 22 (b) 32
 (c) 28 (d) 34

6. If - stands for division, + for multiplication, ÷ for subtraction and × for addition, then which one of the following equations is correct ?
 (a) $19 + 5 - 4 \times 2 \div 4 = 11$
 (b) $19 \times 5 - 4 \div 2 + 4 = 16$
 (c) $19 \div 5 + 4 - 2 \times 4 = 13$
 (d) $19 \div 5 + 4 + 2 \div 4 = 20$

Directions : In Q. No. 7 to 15, select the related letter/word/number from the given alternatives.

7. Country : President :: State : ?
 (a) Chief Minister (b) Prime Minister
 (c) Speaker (d) Governor

8. Mirage : Desert :: ?
 (a) Sky : Illusion (b) Rainbow : Sky
 (c) Rain : Rainbow (d) Image : Mirror

9. TEKCAR : RACKET :: TCEJBO : ?
 (a) TCEOBJ (b) OBJECT
 (c) CEJBOT (d) REJECT

10. JIHK : PONQ :: WVUX : ?
 (a) KNML (b) RSTU
 (c) HIGJ (d) MLKN

11. UUWX : WWYZ :: OOQR : ?
 (a) OOPG (b) MMPQ
 (c) XXYZ (d) QQST

12. BIMN : CKPR :: CURD : ?
 (a) DWUH (b) WUHC
 (c) UHDW (d) HUVN

13. BCFE : HILK :: NORQ : ?
 (a) TXWU (b) TXUW
 (c) TUXW (d) TUWX

14. ? : 63 :: 08 : 26
 (a) 12 (b) 9
 (c) 18 (d) 15

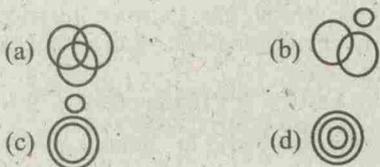
15. 64 : ? :: 72 : 53
 (a) 44 (b) 54
 (c) 52 (d) 70

Directions : In Q. No. 16 to 21, find the odd number/letters/number pair from the given alternatives.

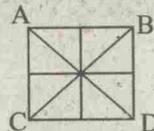
16. (a) Soft ball (b) Base ball
(c) Cricket (d) Basket ball
17. (a) Annoy (b) Distress
(c) Harass (d) Ravage
18. (a) PRSU (b) SUWY
(c) HJLN (d) CEGI
19. (a) YDWB (b) TKRI
(c) QNOM (d) HLFJ
20. (a) Tomato (b) Potato
(c) Carrot (d) Onion
21. (a) 125 (b) 789
(c) 236 (d) 347
22. Find out the pair of numbers that does not belong to the group for lack of common property.
(a) 16-18 (b) 56-63
(c) 96-108 (d) 86-99
23. In the following question, number of letters are skipped in between by a particular rule. Which of the following observes the rule?
(a) ACZXFG (b) CFXURI
(c) CFIURX (d) CXFUIR
24. Which one of the given responses would be a meaningful order of the following ?
1. Sentence 2. Word
3. Chapter 4. Phrase
5. Paragraph
(a) 4, 3, 1, 2, 5 (b) 2, 3, 5, 4, 1
(c) 3, 5, 1, 4, 2 (d) 1, 3, 2, 4, 5
25. Arrange the following words as per order in the dictionary :
1. Inhabit 2. Ingenious 3. Inherit
4. Influence 5. Infatuation
(a) 1, 2, 3, 4, 5 (b) 5, 4, 1, 2, 3
(c) 4, 5, 2, 1, 3 (d) 5, 4, 2, 1, 3
26. Which one set of letters when sequentially places at the gaps in the given letter series shall-complete it?
... ab ... b ... aba ... abab
(a) a bb aa (b) bb aa b
(c) ab aa b (d) a aa ba
- Directions :** In Q. No. 27 to 30, a series is given, with one/two term missing. Choose the correct alternative from the given ones that will complete the series.
27. 14, 19, 29, 49, 89, ?
(a) 139 (b) 149
(c) 159 (d) 169
28. BMRG, DLTF, FKVE, HJXD, ?
(a) JIZC (b) JZIB
(c) GIFB (d) MOLC
29. 121, 144, 289, 324, 529, 576, ?
(a) 961 (b) 841
(c) 900 (d) 729
30. 5, 21, 69, 213, 645, ?
(a) 1670 (b) 1941
(c) 720 (d) 1320
31. Find out the questioned number,
 $6 : 5 :: 8 : ?$
(a) 2 (b) 4
(c) 6 (d) 10
32. In a row of trees, a tree is 7th from left end and 14th from the right end. How many trees are there in the row?
(a) 18 (b) 19
(c) 20 (d) 21
33. Shan is 55 years old, Sathian is 5 years junior to Shan and 6 years senior to Balan. The youngest brother of Balan is Devan and he is 7 years junior to him. So what is the age difference between Devan and Shan?
(a) 18 years (b) 15 years
(c) 13 years (d) 7 years
34. Vinod introduces Vishal as the son of the only brother of his father's wife. How is Vinod related to Vishal?
(a) Cousin (b) Brother
(c) Son (d) Uncle
35. There are 80 families in a small extension area. 20 per cent of these families own a car each 50 per cent of the remaining families own a motor cycle each. How many families in that extension do not own any vehicle?
(a) 30 (b) 32
(c) 23 (d) 36
36. If John celebrated his victory day on Tuesday, 5th January 1965, when will he celebrate his next victory day on the same day?
(a) 5th January 1970 (b) 5th January 1971
(c) 5th January 1973 (d) 5th January 1974
37. Five girls M, N, O, P and Q are standing in a row. P is on the right of Q, N is on the left of Q, but is on the right of M. P is on the left of O. Who is standing on the extreme right?
(a) Q (b) N
(c) O (d) P
38. Sita is elder than Swapna, Lavanya is elder than Swapna but younger than Sita. Suvarna is younger than both Hari and Swapna, Swapna is elder than Hari. Who is the youngest?
(a) Sita (b) Lavanya
(c) Suvarna (d) Hari
39. After 9'O clock at what time between 9 p.m. and 10 p.m. will the hour and minute hands of a clock point in Opposite direction?
(a) 15 minutes past 9, (b) 16 minutes past 9
(c) $16\frac{4}{11}$ minutes past 9 (d) $17\frac{1}{11}$ minutes past 9

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40. One evening, Raja started to walk toward the Sun. After walking a while, he turned to his right and again to his right. After walking a while, he again turned right. In which direction is he facing?
 (a) South (b) East
 (c) West (d) North
41. Vivek and Ashok start from a fixed point. Vivek moves 3 km north and turns right and then covers 4 km. Ashok moves 5 km West and turns right and walks 3 km. Now how far are they apart?
 (a) 10 km (b) 9 km
 (c) 8 km (d) 6 km
42. From the given alternative words, select the word which cannot be formed using the letters of the given word.
 MISFORTUNE
 (a) FORT (b) TURN
 (c) SOFT (d) ROAM
43. From the given alternative words, select the word which can be formed using the letters of the given word :
 STRANGULATION
 (a) TRIANGLE
 (b) GARLAND
 (c) ROASTING
 (d) TRAUMA
44. If in a certain code, RAMAYANA is written as PYKYWYLY, then how MAHABHARATA can be written in that code?
 (a) NBIBCIBSBUB
 (b) LZGZAGZQZSZ
 (c) MCJCDJCTCVC
 (d) KYFYZFYPYRY
45. Some equations have been solved on the basis of certain system. Find the correct answer for the unsolved equation on that basis.
 If $94 + 16 = 42$, $89 + 23 = 78$, then $63 + 45 = ?$
 (a) 18 (b) 28
 (c) 38 (d) 48
46. Which one of the following diagrams represents the correct relationship among 'Judge', 'Thief' and 'Criminal'?



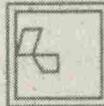
47. How many triangles are there in the given figure?



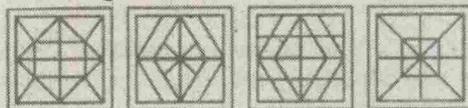
- (a) 16 (b) 14
 (c) 8 (d) 12

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

48. Question figure



Answer figures



- (a) (b) (c) (d)

Directions : If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

49. Question figure



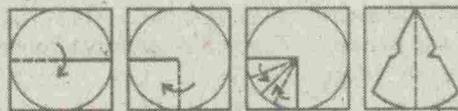
Answer figures



- (a) (b) (c) (d)

Directions : A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

50. Question figures



Answer figures



- (a) (b) (c) (d)

PART - (B) : GENERAL AWARENESS

51. The common tree species in Nilgiri Hills is:
 (a) Sal (b) Pine
 (c) Eucalyptus (d) Teak
52. Which of the following statements on Railway Budget 2011-12 is correct?
 (a) There would be a 10% increase in fares for long distance train travel both by AC and NONAC classes
 (b) There would be 15% increase in freight rates on all goods other than food grains
 (c) There would be 15% increase in passenger fares for all classes for long distance and freights
 (d) There would be no increase in fares for both suburban and long distance travel
53. The nuclear reactors which were damaged heavily due to strong Earthquake-cum-Tsunami that hit Japan on March 11, 2011 causing radiation leakage at:
 (a) Fukushima (b) Tokyo
 (c) Kyoto (d) None of these
54. The maximum limit on poll expenditure for Assembly Constituencies has been raised in February, 2011 to
 (a) 16 lakhs (b) 18 lakhs
 (c) 20 lakhs (d) 25 lakhs
55. First Indian Prime Minister to visit Siachen was ?
 (a) Rajiv Gandhi (b) Inder Kumar Gujral
 (c) Mammohan Singh (d) None of them
56. Which of the following books has been written by Kishwar Desai?
 (a) The Red Devil
 (b) Witness the night
 (c) Tonight this Savage Rite
 (d) Earth and Ashes
57. Which of the following folk/tribal dances is associated with Karnataka?
 (a) Yakshagana (b) Jatra
 (c) Veedhi (d) Jhora
58. Who of the following received the Sangeet Natak Academi's Ustad Bismillah Khan Puraskar for 2009 in theatre?
 (a) Omkar Shrikant Dadarkar
 (b) Ragini chander sarkar
 (c) Abanti Chakraborty and Sukracharjya Rabha
 (d) K Nellai Maniknandan
59. Which of the following country did not win any of the FIFA cup in 2002, 2006 and 2010?
 (a) Brazil (b) Argentina
 (c) Spain (d) South Africa
60. Who invented vaccination for small pox?
 (a) Sir Frederick Grant Banting
 (b) Sir Alexander Fleming
 (c) Edward Jenner
 (d) Loius Pasteur
61. Who was the first Indian to become the member of British parliament?
 (a) Bankim Chandra Chaterjee
 (b) W C Banerjee
 (c) Dadabhai Naoroji
 (d) None of the above
62. The purchase of shares and bonds of Indian companies by Foreign Institutional Investors is called?
 (a) FDI (b) Portfolio Investment
 (c) NRI Investment (d) Foreign Indirect Investment
63. BT Seed is associated with which among the following?
 (a) Rice (b) Wheat
 (c) Cotton (d) Oil Seeds
64. The headquarters of International Atomic Energy Agency is in ?
 (a) Geneva (b) Paris
 (c) Vienna (d) Washington
65. In the Budget estimates of 2011-12, an allocation of Rs. 400 Crore has been made to bring in second green revolution in East in the rice based cropping system of ?
 (a) Assam and West Bengal
 (b) Assam, West Bengal, Odisha, Bihar & Jharkhand
 (c) Assam, West Bengal, Odisha, Bihar
 (d) Assam, West Bengal, Odisha, Bihar, Jharkhand , Eastern Uttar Pradesh and Chhattisgarh
66. In the Budget 2011-12, presented by the Finance Minister on 28.2.2011, the income tax limit for senior citizens has been increased to ?
 (a)Rs. 2.50 Lakh (b)Rs. 2.60 Lakh
 (c)Rs. 2.80 Lakh (d)Rs. 3.00 Lakh
67. If the Anglo Indian community does not get adequate representation in the Lok Sabha, two members of the community can be nominated by:
 (a) Prime Minister
 (b) President
 (c) Speaker
 (d) President in consultation with Parliament
68. For the election of President of India, a citizen should have completed the age of ?
 (a) 25 Years (b) 35 Years
 (c) 30 Years (d) 18 Years
69. Who said: "Good citizen makes a good state and bad citizen makes a bad state"?
 (a) Plato (b) Aristotle
 (c) Rousseau (d) Laski
70. Member of parliament will lose his membership if he is continuously absent from sessions for
 (a) 45 days (b) 60 days
 (c) 90 days (d) 365 days

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71. In Indian , Residuary Powers are vested in?
 (a) Union Government
 (b) State Government
 (c) Both Union and State Government
 (d) Local Government
72. Mention the place where Buddha attained enlightenment?
 (a) Sarnath (b) Bodhgaya
 (c) Kapilvastu (d) Rajgriha
73. Coronation of Shivaji took place in which year?
 (a) 1627 (b) 1674
 (c) 1680 (d) 1670
74. The system of Dyarchy was introduced in?
 (a) 1909 (b) 1919
 (c) 1935 (d) 1945
75. The editor of Young India and Harijan was?
 (a) Nehru (b) Ambedkar
 (c) Mahatma Gandhi (d) Subhash Chandra Bose
76. Who of the following attended all the three round table conferences?
 (a) B R Ambedkar (b) M M Malviya
 (c) Vallabh Bhai Patel (d) Mahatma Gandhi
77. Which is the largest living bird on Earth?
 (a) Emu (b) Ostrich
 (c) Albatross (d) Siberian Crane
78. Rihand Dam project provides irrigation to?
 (a) Gujarat & Maharashtra
 (b) Odisha and West Bengal
 (c) Uttar Pradesh and Bihar
 (d) Kerala and Karnataka
79. The Headquarters of MCF (Master Control Facility) is
 (a) Hyderabad (b) Thumba
 (c) Sri Harikota (d) Hassan
80. Which is the longest irrigation canal in India?
 (a) Sir hind Canal (b) Yamuna Canal
 (c) Indira Gandhi Canal (d) East Kosi Canal
81. Which one of the following minerals is found in Monazite Sand?
 (a) Potassium (b) Uranium
 (c) Thorium (d) Sodium
82. Which plant is called 'Herbal Indian Doctor' ?
 (a) Amla (b) Neem
 (c) Tulsi (d) Mango
83. In Coriander, useful parts are?
 (a) Roots and leaves (b) leaves and flowers
 (c) leaves and dried fruits (d) flowers and dried fruits
84. The pH of Human Blood is?
 (a) 7.2 (b) 7.8
 (c) 6.6 (d) 7.4
85. Which among the following is the largest endocrine gland of country?
 (a) Thyroid (b) Parathyroid
 (c) Adrenal (d) Pituitary
86. Which amongst the following is the largest mammal?
 (a) Elephant (b) Whale
 (c) Dinosaur (d) Rhinoceros
87. Which part becomes modified as the tusk of elephant?
 (a) Canine (b) Premolar
 (c) Second Incisor (d) Molar
88. Optical fibres are based upon the phenomenon of which of the following?
 (a) Interference (b) Dispersion
 (c) Diffraction (d) Total Internal Reflection
89. Now a days, Yellow lamps are frequently used as street lights. Which among the following gases, is used in these lamps?
 (a) Sodium (b) Neon
 (c) Hydrogen (d) Nitrogen
90. Mirage is an example of?
 (a) Refraction of light
 (b) Total Internal Reflection of Light
 (c) Refraction and Total Internal Reflection of Light
 (d) Dispersion of Light
91. The phenomenon of light associated with the appearance of blue color of sky is?
 (a) Interference (b) Reflection
 (c) Refraction (d) Scattering
92. In which of the following areas, spreadsheet software is more useful?
 (a) Psychology (b) Publishing
 (c) Statistics (d) Message sending
93. A Groupware is a
 (a) Hardware (b) Software
 (c) Network (d) Firmware
94. Lens is made up of?
 (a) Pyrex Glass (b) Flint Glass
 (c) Ordinary Glass (d) Cobalt Glass
95. The element which is used for vulcanizing rubber is?
 (a) Sulphur (b) Bromine
 (c) Silicon (d) Phosphorus
96. Which of the following is responsible for extra strength of Pyrex glass?
 (a) Potassium carbonate (b) Lead Oxide
 (c) Borax (d) Ferric Oxide
97. The Noble Gas used for the treatment of cancer is?
 (a) Helium (b) Argon
 (c) Krypton (d) Radon
98. Vasundhara Summit was held in?
 (a) USA (b) UK
 (c) Brazil (d) Australia
99. Loktak is a?
 (a) Valley (b) Lake
 (c) River (d) Mountain Range
100. Which city receives the highest cosmic radiation amongst the following?
 (a) Chennai (b) Mumbai
 (c) Kolkata (d) Delhi

PART - (C) : NUMERICAL APTITUDE

101. X sells two articles for ₹ 4,000 each with no loss and no gain in the interaction. If one was sold at a gain of 25% the other is sold at a loss of
- (a) 25% (b) $18\frac{2}{9}\%$
(c) $16\frac{2}{3}\%$ (d) 20%
102. 20% loss on selling price is what percent loss on the cost price ?
- (a) 25% (b) 15%
(c) $16\frac{2}{3}\%$ (d) $16\frac{1}{3}\%$
103. If 90% of A = 30% of B and B = x% of A, then the value of x is :
- (a) 800 (b) 300
(c) 700 (d) 400
104. A reduction of 20% in the price of sugar enables me to purchase 5 kg. more for ₹600. Find the price of sugar per kg. before reduction of price.
- (a) ₹ 24 (b) ₹ 30
(c) ₹ 32 (d) ₹ 36
105. The price of a commodity rises from ₹ 6 per kg to ₹7.50 per kg. If the expenditure cannot increase, the percentage of reduction in consumption is :
- (a) 15 (b) 20
(c) 25 (d) 30
106. First and second numbers are less than a third number by 30% and 37% respectively. The second number is less than the first by
- (a) 7% (b) 4%
(c) 3% (d) 10%
107. Waling at $\frac{6th}{7}$ of his usual speed a man is 25 minutes too late. His usual time to cover this distance is :
- (a) 2 hours 30 minutes (b) 2 hours 15 minutes
(c) 2 hours 25 minutes (d) 2 hours 10 minutes
108. Waling at 5 km/hr a student reaches his school from his house 15 minutes early and waling at 3 km/hr he is late by 9 minutes. What is the distance between his school and his house?
- (a) 5 km (b) 8 km
(c) 3 km (d) 2 km
109. A sun of ₹12,000 deposited at compound interest becomes double after 5 years. After 20 years, it will become
- (a) ₹ 48,000 (b) ₹ 96,000
(c) ₹ 1,90,000 (d) ₹ 1,92,000
110. Simple interest on a certain sum for 6 years is $\frac{9}{25}$ of the sum. The rate of interest is :
- (a) 6% (b) $6\frac{1}{2}\%$
(c) 8% (d) $8\frac{1}{2}\%$
111. The difference between the compound interest and simple interest for the amount ₹5,000 in 2 years is ₹32. The rate of interest is.
- (a) 5% (b) 8%
(c) 10% (d) 12%
112. The 1st number, which is to be added to the greatest number of 4 digits so that the sum may be divisible by 345, is
- (a) 50 (b) 6
(c) 60 (d) 5
113. If $\frac{4\sqrt{3} + 4\sqrt{2}}{\sqrt{48} + \sqrt{18}} = a + b\sqrt{6}$, the values of a and b are respectively
- (a) $\frac{9}{15}, \frac{4}{15}$ (b) $\frac{3}{11}, \frac{4}{33}$
(c) $\frac{9}{10}, \frac{2}{5}$ (d) $\frac{3}{5}, \frac{4}{15}$
114. If 17^{200} is divided by 18, the remainder is
- (a) 1 (b) 2
(c) 16 (d) 17
115. If $x + \frac{2}{3 + \frac{4}{5 + \frac{7}{6}}} = 10$, then the value of x is
- (a) $\frac{1276}{135}$ (b) $\frac{53}{6}$
(c) 4.35 (d) 9
116. The unit digit in the sum of $(124)^{372} + (124)^{373}$ is
- (a) 5 (b) 4
(c) 2 (d) 0
117. The value of $3 + \frac{1}{\sqrt{3}} + \frac{1}{3 + \sqrt{3}} + \frac{1}{\sqrt{3} - 3}$ is
- (a) $3 + \sqrt{3}$ (b) 3
(c) 1 (d) 0
118. If $a * b = a^b$, then the value of $5 * 3$ is
- (a) 125 (b) 243
(c) 53 (d) 15
119. If $1 - 5x = 04y$, then the value of $\frac{y^2 - x^2}{y^2 + 2xy + x^2}$ is
- (a) $\frac{730}{77}$ (b) $\frac{73}{77}$
(c) $\frac{73}{770}$ (d) $\frac{74}{77}$

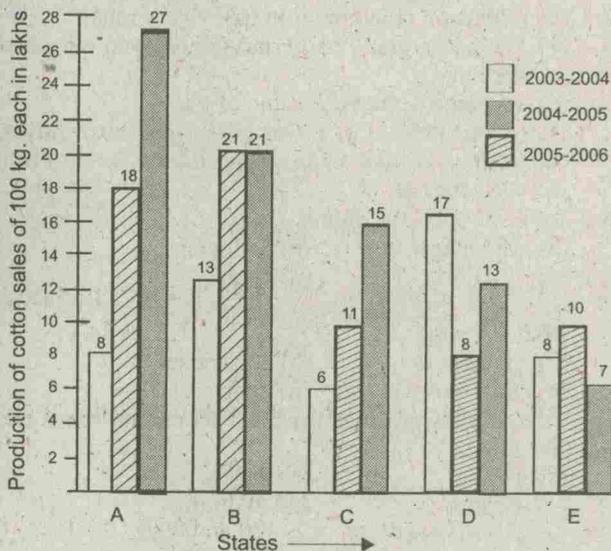
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120. If $\sqrt{0.03 \times 0.3 \times a} = 0.3 \times 0.3 \times \sqrt{b}$ value of $\frac{a}{b}$ is
 (a) 0.009 (b) 0.03
 (c) 0.09 (d) 0.08
121. If $\sqrt{1 + \frac{x}{9}} = \frac{13}{3}$, then the value of x is
 (a) $\frac{1439}{9}$ (b) 160
 (c) $\frac{1443}{9}$ (d) 169
122. The sum of two numbers is 24 and their product is 143. The sum of their squares is
 (a) 296 (b) 295
 (c) 290 (d) 228
123. Which one of the following will completely divide $5^{71} + 5^{72} + 5^{73}$?
 (a) 150 (b) 160
 (c) 155 (d) 30
124. L.C.M. of two numbers is 120 and their H.C.F. is 10. Which of the following can be the sum of those two numbers?
 (a) 140 (b) 80
 (c) 60 (d) 70
125. When 'n' is divisible by 5 the remainder is 2. What is the remainder when n^2 is divided by 5?
 (a) 2 (b) 3
 (c) 1 (d) 4
126. A student was asked to divide a number by 6 and add 12 to the quotient. He, however, first added 12 to the number and then divided it by 6, getting 112 as the answer. The correct answer should have been.
 (a) 124 (b) 122
 (c) 118 (d) 114
127. Four runners started running simultaneously from a point on a circular track. They took 200 sec, 300 sec, 360 sec and 450 sec to complete one round. After how much time do they meet at the starting point for the first time?
 (a) 1800 seconds (b) 3600 seconds
 (c) 2400 seconds (d) 4800 seconds
128. 'x' number of men can finish a piece of work in 30 days. If there were 6 men more, the work could be finished in 10 days less. The original number of men is
 (a) 6 (b) 10
 (c) 12 (d) 15
129. A work can be completed by P and Q in 12 days, Q and R in 15 days, R and P in 20 days. In how many days P alone can finish the work?
 (a) 10 (b) 20
 (c) 30 (d) 60
130. A is thrice as good a workman as B and is, therefore, able to finish a piece of work in 60 days less than B. the time (in days) in which they can do it working together is
 (a) 22 (b) $22\frac{1}{2}$
 (c) 23 (d) $23\frac{1}{4}$
131. A copper wire is bent in the form of square with an area of 121 cm^2 . If the same wire is bent in the form of a circle. The radius (in cm) of the circle is (Take $\pi = \frac{22}{7}$)
 (a) 7 (b) 10
 (c) 11 (d) 14
132. The areas of three consecutive faces of a cuboid are 12 cm^2 , 20 cm^2 and 15 cm^2 , then the volume (in cm^3) of the cuboid is
 (a) 3600 (b) 100
 (c) 80 (d) 60
133. Water is flowing at the rate of 5 km/h through a pipe of diameter 14 cm into a rectangular tank which is 50 m long, 44 m wide. The time taken, in hours, for the rise in the level of water in the tank to be 7 cm is
 (a) 2 (b) $1\frac{1}{2}$
 (c) 3 (d) $2\frac{1}{2}$
134. The wheel of a motor car makes 1000 revolutions in moving 440 m. The diameter (in metre) of the wheel is
 (a) 0.44 (b) 0.14
 (c) 0.24 (d) 0.34
135. The sides of a triangle are in the ratio 2 : 3 : 4. The perimeter of the triangle is 18 cm. The area (in cm^2) of the triangle is
 (a) 9 (b) 36
 (c) $\sqrt{42}$ (d) $3\sqrt{15}$
136. Marked price of an article is ₹275. Shopkeeper allows a discount of 5% and he gets a profit of 4.5%. The actual cost of the article is
 (a) 250 (b) 225
 (c) 215 (d) 210
137. The difference between a discount of 40% on ₹500 and two successive discounts of 36%, 4% on the same amount is
 (a) ₹0 (b) ₹2
 (c) ₹1.93 (d) ₹7.20
138. If $x : y = 4 : 5$, then $(3x + y) : (5x + 3y) =$
 (a) 3 : 5 (b) 5 : 3
 (c) 17 : 35 (d) 35 : 17
139. The ratio of the quantities of an acid and water in a mixture is 1 : 3. If 5 litres of acid is further added to the mixture, the new ratio becomes 1 : 2. The quantity of new mixture in litres is :
 (a) 32 (b) 40
 (c) 42 (d) 45

140. The ratio between two numbers is 2 : 3. If each number is increased by 4, the ratio between them becomes 5 : 7. The difference between the numbers is
 (a) 8 (b) 6
 (c) 4 (d) 2
141. Monthly incomes of A and B are in the ratio of 4 : 3 and their expenses bear the ratio 3 : 2. Each of them saves ₹6,000 at the end of the month, then the monthly income of A is
 (a) ₹ 12,000 (b) ₹ 24,000
 (c) ₹ 30,000 (d) ₹ 60,000
142. The average of three consecutive odd numbers is 12 more than one third of the first of these numbers. What is the last of the three numbers?
 (a) 15 (b) 17
 (c) 19 (d) Data inadequate
143. The average of 18 observations is recorded as 124. Later it was found that two observations with values 64 and 28 were entered wrongly as 46 and 82. Find the correct average of the 18 observations.
 (a) $111\frac{7}{9}$ (b) 122
 (c) 123 (d) $137\frac{3}{9}$
144. If the cost price of 15 articles is equal to the selling price of 12 articles, find gain%.
 (a) 20 (b) 25
 (c) 18 (d) 21
145. The cost price of an article is 64% of the marked price. The gain percentage after allowing a discount of 12% on the marked price is
 (a) 37.5% (b) 48%
 (c) 50.5% (d) 52%
146. A man purchased some eggs at 3 for ₹5 and sold them at 5 for ₹12. Thus, he gained ₹143 in all. The number of eggs he bought is
 (a) 210 (b) 200
 (c) 195 (d) 190

Directions : The following graph shows the production of cotton bales of 100 kg each in lakhs by

different states A, B, C, D and E over the years. Study the graph and answer Q. No. 147 to 150



147. The production of state C in 2003-2004 is how many times its production in 2005-2006.
 (a) 2.5 (b) 1.85
 (c) 1.5 (d) 0.4
148. In which state(s) is there a steady increase in the production of cotton during the given period?
 (a) A and B (b) B and E
 (c) A and C (d) D and E
149. How many kg of cotton was produced by State C during the given period?
 (a) 32,00,00,000 kg. (b) 45,50,00,000 kg.
 (c) 33,00,00,000 kg. (d) 35,00,00,000 kg.
150. The number of states for which the production of cotton in 2005-06 is less than or equal to the preceding year is
 (a) 3 (b) 2
 (c) 1 (d) There is no such State

PART - (D) : ENGLISH COMPREHENSION

Directions (151-155) : A sentence is given in which/a part of which may need improvement. Alternatives are given at (a), (b) and (c) below which may be a better option. In case no improvement is needed, your answer is (d).

151. What do you go for to school?
 (a) FOR what do you go to school?
 (b) What do you go for to school?
 (c) What do you go to school for?
 (d) No improvement
152. He pleased the directors and this completed his report in good time.
 (a) He pleased the directors in good time and this completed his report
 (b) He completed his report in good time and this pleased the directors

- (c) He pleased the directors and completed his report and this in good time
 (d) No improvement
153. The courtiers used to tell the King how efficient an administrator he was all day long.
 (a) The courtiers all day long used to tell the King how efficient an administrator he was
 (b) The courtiers and used all day long to tell the King how efficient an administrator he was
 (c) The courtiers used to tell the King all day long how efficient an administrator he was
 (d) No improvement
154. Every Saturday I go out for shopping
 (a) for shops (b) to shopping
 (c) for shop (d) No improvement

SOLVED PAPERS

155. We had a grand party and we enjoyed very much.
 (a) We had a grand party and enjoyed very much
 (b) We had a grand party to enjoy very much
 (c) We had a grand party and we enjoyed ourselves very much
 (d) No improvement

Directions (156-160) : Out of the four alternatives, choose the one which can be substituted for the given words/sentence.

156. An inscription on a tomb.
 (a) espionage (b) epilogue
 (c) epitaph (d) elegy
157. Feeling inside you which tells you what is right and what is wrong
 (a) cleverness (b) conscience
 (c) consciousness (d) fear
158. Release of a prisoner from jail on certain terms and condition.
 (a) Parole (b) Parley
 (c) Pardon (d) Acquittal
159. Loss of memory
 (a) Ambrosia (b) Amnesia
 (c) Insomnia (d) Forgetting
160. To struggle helplessly
 (a) Flounder (b) Founder
 (c) Fumble (d) Finger

Directions (161-165) : Groups of four words are given. In each group, one word is correctly spelt. find the correctly spelt word.

161. (a) qestalt (b) imbrolios
 (c) ampasse (d) recondite
162. (a) hindrance (b) corespondence
 (c) insurence (d) assurance
163. (a) adversery (b) adulatory
 (c) advisory (d) arbitrary
164. (a) rogeu (b) colleague
 (c) diluge (d) alege
165. (a) malignant (b) impertinant
 (c) independant (d) neglegent

Directions (166-175) : In the following Passage some of the words have been left out. First read the passage over and try to understand what it is about. Then, fill in the blanks with the help of the alternatives given mark your answer in the Answer-Sheet.

PASSAGE (166-175)

Almost every full moon night, the officials in Andaman and Nicobar Islands take part in a cautious ritual. The tribesmen watch from a safe distance as the officials (166) the island in a boat (167) gifts for them. The islanders come (168) hesitantly only after the officials (169) dumped the coconuts brought (170) them onto the beach and begin (171) away from their small island. On some nights the tribals even (172) up enough courage to swim upto a few feet (173) from the boat. The officials maintain that they do (174) want to interfere with the way of life of the tribals. The island (175) heavily on the mainland for most goods.

166. (a) approach (b) depart
 (c) present (d) absent
167. (a) coming (b) leaving
 (c) carrying (d) relieving
168. (a) forward (b) backward
 (c) sides (d) upward
169. (a) has (b) have
 (c) had (d) be
170. (a) by (b) to
 (c) in (d) for
171. (a) watching (b) seeing
 (c) sailing (d) stopping
172. (a) leave (b) muster
 (c) come (d) present
173. (a) correctly (b) distantly
 (c) near (d) away
174. (a) no (b) neither
 (c) not (d) nor
175. (a) spy (b) rely
 (c) occupy (d) reply

Directions (176-180) : Some of the sentences have errors and some are correct. Find out which part of a sentence has an error (a, b, c). If a sentence is free from errors, choose to (d).

176. A great many student (a) /have been declared (b) / successful (c) . No error. (d)
177. We are going to launch(a) /this three-crores project(b) / within the next few months(c) . No error. (d)
178. I hope to go to shopping(a) /this weekend(b) /if the weather permits(c) . No error. (d)
179. The lawyer asked(a) / if it was worth to take (b) /the matter to court(c) No error. (d)
180. After a carefully investigation(a) /we discovered(b) / that the house was infested with termites(c) . No error. (d)

Directions (181-185) : 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 options..

181. The company let me time off work.
 (a) take (b) taking
 (c) to take (d) took
182. I assume with me.
 (a) every one agreeing (b) that every one agrees
 (c) every one to agree (d) that every one to agree
183. the rain forests is very important, if we do not want the flora and fauna found there to become extinct.
 (a) Reserving (b) Destroying
 (c) Preserving (d) Maintaining
184. If I had helped him, he
 (a) will not be drowned
 (b) would not be drowned
 (c) will not have drowned
 (d) would not have drowned

185. When will you hand your assignment?
 (a) in (b) back
 (c) down (d) into
- Directions (186-190) :** *Out of the four alternatives, choose the one which best expresses the meaning of the given word.*
186. Barren :
 (a) good (b) wholesome
 (c) unproductive (d) profitable
187. Infamy :
 (a) notoriety (b) glory
 (c) integrity (d) familiarity
188. Intrepid :
 (a) hesitant (b) fearless
 (c) extrovert (d) rash
189. Prodigal :
 (a) exclusive (b) productive
 (c) lavish (d) carefree
190. Perspicuous :
 (a) relevant (b) precise
 (c) brief (d) clear
- Directions (191-195):** *Choose the word opposite in meaning to the given word.*
191. Liberty :
 (a) serenity (b) slavery
 (c) serfdom (d) subordination
192. Disorderly :
 (a) chaotic (b) organized
 (c) adjusted (d) arranged
193. Elevation :
 (a) reduction (b) humiliation
 (c) depression (d) debasement

194. Glossy :
 (a) dull (b) shining
 (c) weary (d) tired
195. Appropriate :
 (a) dissimilar (b) incomparable
 (c) unsuitable (d) disparate
- Directions (196-200) :** *Four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase.*
196. A damp squib :
 (a) rainy weather
 (b) a disappointing result
 (c) a skirt in a laundry
 (d) None of the above
197. In cold blood :
 (a) angrily (b) deliberately
 (c) excitedly (d) slowly
198. To take someone for a ride :
 (a) to give a ride to someone
 (b) to deceive someone
 (c) to be indifferent
 (d) to disclose a secret
199. To move heaven and earth :
 (a) to cause an earthquake
 (b) to try everything possible
 (c) to pray to all Gods
 (d) to travel in a rocket
200. To smell a rat :
 (a) to smell foul
 (b) to see a rat
 (c) to chase a rat
 (d) to be suspicious

Answer-Sheet

1. (c)	2. (b)	3. (c)	4. (b)	5. (c)	6. (c)	7. (d)	8. (b)	9. (b)	10. (d)
11. (d)	12. (a)	13. (c)	14. (c)	15. (b)	16. (d)	17. (d)	18. (a)	19. (c)	20. (a)
21. (a)	22. (d)	23. (d)	24. (c)	25. (d)	26. (d)	27. (d)	28. (a)	29. (b)	30. (b)
31. (c)	32. (c)	33. (a)	34. (a)	35. (b)	36. (b)	37. (c)	38. (c)	39. (c)	40. (a)
41. (b)	42. (d)	43. (c)	44. (d)	45. (c)	46. (c)	47. (a)	48. (c)	49. (b)	50. (c)
51. (c)	52. (d)	53. (a)	54. (a)	55. (c)	56. (b)	57. (a)	58. (c)	59. (d)	60. (c)
61. (c)	62. (d)	63. (c)	64. (c)	65. (d)	66. (a)	67. (b)	68. (b)	69. (b)	70. (b)
71. (a)	72. (b)	73. (b)	74. (b)	75. (c)	76. (a)	77. (b)	78. (c)	79. (d)	80. (c)
81. (c)	82. (a)	83. (c)	84. (d)	85. (a)	86. (b)	87. (c)	88. (d)	89. (a)	90. (c)
91. (d)	92. (c)	93. (c)	94. (b)	95. (a)	96. (c)	97. (d)	98. (c)	99. (b)	100. (a)
101. (d)	102. (c)	103. (b)	104. (b)	105. (b)	106. (d)	107. (a)	108. (c)	109. (d)	110. (a)
111. (b)	112. (b)	113. (d)	114. (a)	115. (a)	116. (d)	117. (b)	118. (a)	119. (b)	120. (*)
121. (b)	122. (c)	123. (c)	124. (d)	125. (d)	126. (b)	127. (a)	128. (c)	129. (c)	130. (b)
131. (a)	132. (d)	133. (a)	134. (b)	135. (d)	136. (a)	137. (d)	138. (c)	139. (d)	140. (a)
141. (b)	142. (c)	143. (b)	144. (b)	145. (a)	146. (c)	147. (d)	148. (b)	149. (a)	150. (c)
151. (c)	152. (b)	153. (c)	154. (d)	155. (c)	156. (c)	157. (b)	158. (a)	159. (b)	160. (a)
161. (d)	162. (a)	163. (c)	164. (b)	165. (a)	166. (a)	167. (c)	168. (a)	169. (b)	170. (d)
171. (c)	172. (b)	173. (d)	174. (c)	175. (b)	176. (a)	177. (b)	178. (a)	179. (b)	180. (a)
181. (a)	182. (b)	183. (c)	184. (d)	185. (a)	186. (c)	187. (a)	188. (b)	189. (c)	190. (d)
191. (b)	192. (d)	193. (c)	194. (a)	195. (c)	196. (b)	197. (a)	198. (b)	199. (b)	200. (d)