



J A G R A N  
**Josh**  
your guide to success

[WWW.JAGRANJOSH.COM](http://WWW.JAGRANJOSH.COM)

SSC COMBINED GRADUATE LEVEL TIER I  
EXAM 2011- IIND SHIFT: SOLVED QUESTION  
PAPER

## SSC COMBINED GRADUATE LEVEL TIER-I EXAM

### 2<sup>nd</sup> Shift

1. Find out the pair numbers that does not belong to the group for lack of common property  
 (1) 16-18      (2) 50-63  
 (3) 96-108    (4) 86-99
2. In the following question, number of letters are skipped in between by a particular rule. Which of the following observes the rule?  
 (1) ACZXFG      (2) CFXURI  
 (3) CFIURX    (4) CXFUIR
3. Which one of the given responses would be a meaningful order of the following?  
 (1) Sentence      (2) Word  
 (3) Chapter    (4) Phrase  
 (5) Paragraph  
 (1) 4,3,1,2,5    (2) 2,3,5,4,1  
 (3) 3,5,1,4,2    (4) 1,3,2,4,5
4. Arrange the following words as per order in the dictionary :  
 (1) Inhabit      (2) Ingenious  
 (3) Inherit      (4) Influence  
 (5) Infatuation  
 (1) 1,2,3,4,5    (2) 5,4,1,2,3  
 (3) 4,5,2,1,3    (4) 5,4,2,1,3
5. Which one set of letters when

sequentially placed at the gaps in the given letter series shall complete it ?

ab \_ b \_ aba \_ abab

(1) a bb aa      (2) bb aa b

(3) a baa b      (4) a aa ba

Directions (6-9) : In each of the following questions, a series is given, with one terms mission. Choose the correct alternate from the given ones that will complete the series.

6. 14, 19, 29, 49, 89, —?  
 (1) 139      (2) 149  
 (3) 159      (4) 169
7. BMRG, DLTF, FKVE, HJXD, —?  
 (1) JIZC      (2) JZIB  
 (3) GIFB      (4) MOLC
8. 121, 144, 289, 324, 529, 576, —?  
 (1) 961      (2) 841  
 (3) 900      (4) 729
9. 5, 21, 69, 213, 645, —?  
 (1) 1670      (2) 1941  
 (3) 720      (4) 1320
10. Find out the questioned number  
 $6 : 5 :: 8 : ?$   
 (1) 2      (2) 4  
 (3) 6      (4) 10
11. In a row of trees, a tree is 7<sup>th</sup> from left end and 14<sup>th</sup> from the right end. How many trees are there in the row ?  
 (1) 18      (2) 19  
 (3) 20      (4) 21
12. 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 Shah ?  
 (1) 18 years (2) 15 years  
 (3) 13 years (4) 7 years
13. Vinod introduces Vishal as the son of the only brother of his father's wife. How is Vinod related to Vishal ?  
 (1) Cousin (2) Brother  
 (3) Son (4) Uncle
14. 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 ?  
 (1) 30 (2) 32  
 (3) 23 (4) 36
15. If John celebrated his victory day on Tuesday, 5<sup>th</sup> January 1965, when will he celebrate his next victory on the same day ?  
 (1) 5 January, 1970  
 (2) 5 January, 1971  
 (3) 5 January, 1973  
 (4) 5 January, 1974
16. 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 ?  
 (1) Q (2) N  
 (3) O (4) P
17. 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 ?  
 (1) Sita (2) Lavanya  
 (3) Suvarna (4) Hari
18. After 9'0 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 ?  
 (1) 15 minutes past 9  
 (2) 16 minutes past 9  
 (3)  $16\frac{1}{14}$  minutes past 9  
 (4)  $17\frac{1}{14}$  minutes past 9
19. 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 ?  
 (1) South (2) East  
 (3) West (4) North
20. 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 ?  
 (1) 10 km (2) 9 km  
 (3) 8 km (4) 6 km
21. From the given alternative words, select the word which cannot be formed using the letters of the given word :  
 MISFORTUNE  
 (1) FORT (2) TURN  
 (3) SOFT (4) ROAM
22. From the given alternative

words, select the word which can be formed using the letters of the given words :

STRANGULATION

- (1) TRIANGLE (2) GARLAND  
(3) ROASTING (4) TRAUMA

23. If in a certain code, RAMAYANA is written as PYKYWYLY, then how MAHABHARATA can be written in the code ?

- (1) NBIBCIBSBUB  
(2) LZGZAGZQZSZ  
(3) MCJCDJCTCVC  
(4) KYFYZFYPYRY

24. If MEKLF is coded as 91782 and LLLJK as 88867, then how can IGHED be coded ?

- (1) 97854 (2) 64521  
(3) 53410 (4) 75632

25. 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**

- All radios of high standard are manufactured by Murphy company
- Some of the Murphy radios are of high standard
- None of the Murphy radios is of high standard
- Some of the Murphy radios

of high standard are sold in that shop

- (1) 1 and 2 inferences only  
(2) 2 and 4 inferences only  
(3) 1 and 3 inferences only  
(4) 1 and 4 inferences only

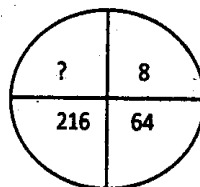
Directions (26-27) : In each of the following questions, select the mission number from the given responses :

26.

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

- (1) 58 (2) 51  
(3) 65 (4) 64

27.



- (1) 343 (2) 512  
(3) 729 (4) 1000

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

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

- (1) 22 (2) 32  
(3) 28 (4) 34

29. If – stands for division, + for multiplication, ÷ for

subtraction and  $\times$  for addition, then which one of the following equations is correct ?

- (1)  $19 + 5 - 4 \times 2 \div 4 = 11$   
 (2)  $19 \times 5 - 4 + 2 \div 4 = 16$   
 (3)  $19 + 5 + 4 - 2 \times 4 = 13$   
 (4)  $19 + 5 + 4 + 2 \div 4 = 20$

**Directions (30-38) :** In each of the following questions, select the related letter/word/number from the given alternatives.

30. Country : President :: State : ?

- (1) Chief Minister  
 (2) Prime Minister  
 (3) Speaker  
 (4) Governor

31. Mirage : Desert :: ?

- (1) Sky : Illusion  
 (2) Rainbow : Sky  
 (3) Rain : Rainbow  
 (4) Image : Mirror

32. TEKCAR : RACKET ::

TCEJBO : ?

- (1) TCEOBJ  
 (2) REJET  
 (3) CEJBOT  
 (4) REJECT

33. JIHK : PONQ :: WVUX : ?

- (1) KNML (2) RSTU  
 (3) HIGJ (4) MLKN

34. UUWX : WWYZ :: OOQR : ?

- (1) OOPG (2) MMPQ  
 (3) XXYZ (4) QQST

35. BIMN : CKPR :: CURD : ?

- (1) DWUH (2) WUHC  
 (3) UHWD (4) HUVN

36. BCFE : HILK :: NORQ : ?

- (1) TXWU (2) TXUW  
 (3) TUXW (4) TUWX

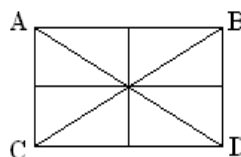
37. ? : 63 :: 96 : 26

- (1) 12 (2) 9  
 (3) 18 (4) 15

38. 64 : ? :: 72 : 53

- (1) 44 (2) 54  
 (3) 52 (4) 70

**Directions (39-44) :** In each following questions, find the number/letters/number pair from the given alternatives.



39. (1) Softball

(2) Baseball

(3) Cricket

(4) Basketball

40. (1) Annoy

(2) Distress

(3) Harass

(4) Ravage

41. (1) PRSU (2) SUWY

(3) HJLN (4) CEGI

42. (1) YDWB (2) TKRI

(3) QNOM (4) HLFJ

43. (1) Tomato

(2) Potato

(3) Carrot

(4) Onion

44. (1) 125 (2) 789

(3) 236 (4) 347

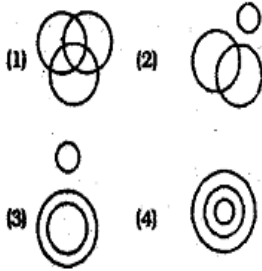
45. Some equations have solved on the basis of system. Find the correct for the unsolved equation that basis

If  $94 + 16 = 42$ ,  $89 + 23 =$

45 = ?

- (1) 18      (2) 28  
(3) 38      (4) 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 ?

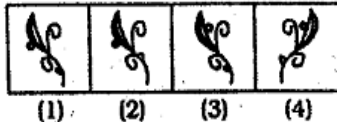
- (1) 16      (2) 14  
(3) 8      (4) 12

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

48. Question Figure



Answer Figures



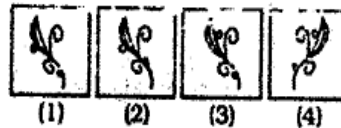
**Directions :** If a mirror is placed on the line MN, then which of the

answer figures is the right image, of the given figure ?

49. Question Figure

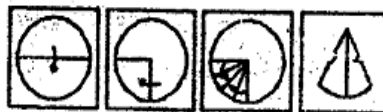


Answer Figures

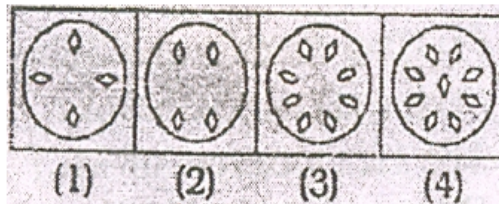


**Directions :** A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

50. Question Figures



Answer Figures



## PART-A GENERAL AWARENESS

51. Coronation of Shivaji took place in  
(1) 1627 A.D.  
(2) 1674 A.D.  
(3) 1680 A.D.



- (4) 1670 A.D.
52. The System of Dyarchy was introduced in India in  
 (1) 1909 (2) 1935  
 (3) 1919 (4) 1945
53. The Editor of 'Young India' and 'Harijan' was  
 (1) Nehru  
 (2) Ambedkar  
 (3) Mahatma Gandhi  
 (4) Subash Chandra Bose
54. Who of the following attended all the Round Table Conferences ?  
 (1) B.R. Ambedkar  
 (2) M.M. Malavia  
 (3) Vallabhbhai Patel  
 (4) Gandhiji
55. Which is the largest living bird on earth ?  
 (1) Emu  
 (2) Ostrich  
 (3) Albatross  
 (4) Siberian Crane
56. Rihand Dam Project provides irrigation to  
 (1) Gujarat and Maharashtra  
 (2) Orissa and West Bengal  
 (3) Uttar Pradesh and Bihar  
 (4) Kerala and Karnataka
57. The Headquarters of MCF (Master Control Facility) – the nerve centre of the entire space craft operations in India is at  
 (1) Hyderabad – Andhra Pradesh  
 (2) Thumba – Kerala  
 (3) Sriharikota – Andhra Pradesh  
 (4) Hassan – Karnataka
58. Which is the longest irrigation canal in India?  
 (1) Sirhind Canal  
 (2) Yamuna Canal  
 (3) Indira Gandhi Canal  
 (4) East Kosi Canal
59. Which one of the following minerals is found in Monazite sand ?  
 (1) Potassium  
 (2) Uranium  
 (3) Thorium  
 (4) Sodium
60. In coriander, the useful part is  
 (1) roots & leaves  
 (2) leaves & flowers  
 (3) leaves & dried fruit  
 (4) flowers & dried fruit
61. Which plant is called 'Indian Doctor' ?  
 (1) Amla  
 (2) Mango  
 (3) Neem  
 (4) Tulsi
62. The pH of human blood is  
 (1) 7.2  
 (2) 7.8  
 (3) 6.6  
 (4) 7.4
63. Which amongst the following is a gland in the body?  
 (1) Thyroid  
 (2) Parathyroid  
 (3) Adrenal  
 (4) Pituitary
64. Which amongst the following is the largest mammal ?  
 (1) Elephant  
 (2) Whale  
 (3) Dinosaur

- (4) Rhinoceros
65. Which part becomes modified as the tusk of elephant ?  
(1) Canine  
(2) Premolar  
(3) Second incisor  
(4) Molar
66. Optical fibres are based on the phenomenon of  
(1) Interference  
(2) Dispersion  
(3) Diffraction  
(4) Total Internal Reflection
67. Now-a-days yellow lamps are frequently used as street lights. Which of the following gases is used in these lamps ?  
(1) Sodium  
(2) Neon  
(3) Hydrogen  
(4) Nitrogen
68. 'Mirage' is an example of  
(1) refraction of light only  
(2) total internal, reflection of light  
(3) refraction and total internal reflection of light  
(4) dispersion of light only
69. The phenomenon of light associated with the appearance of blue colour of the sky is  
(1) Interference  
(2) Reflection  
(3) Refraction  
(4) Scattering
70. In which of the following areas, a spreadsheet software is more useful ?  
(1) Psychology  
(2) Publishing  
(3) Statistics  
(4) Message sending
71. A groupware is a  
(1) Hardware  
(2) Network  
(3) Software  
(4) Firmware
72. Lens is made up of  
(1) Pyrex glass  
(2) Flint glass  
(3) Ordinary glass  
(4) Cobalt glass
73. The element which is used for vulcanizing rubber  
(1) Sulphur  
(2) Bromine  
(3) Silicon  
(4) Phosphorus
74. Which of the following is responsible for the extra strength of pyrex glass ?  
(1) Potassium Carbonate  
(2) Lead Oxide  
(3) Borax  
(4) Ferric Oxide
75. The noble gas used for the treatment of cancer is  
(1) Helium  
(2) Argon  
(3) Krypton  
(4) Radon
76. Vasundhara Summit was held in  
(1) USA  
(2) UK  
(3) Brazil  
(4) Australia
77. 'Loktak' is a  
(1) Valley  
(2) Lake  
(3) River  
(4) Mountain Range



78. Which city receives the highest cosmic radiation amongst the following ?  
 (1) Chennai  
 (2) Mumbai  
 (3) Kolkata  
 (4) Delhi
79. The common tree species in Nilgiri  
 (1) Sal  
 (2) Pine  
 (3) Eucalyptus  
 (4) Teak
80. Which of the following statements on Railway Budget for 2011-12 is correct ?  
 (1) There would be 10% increase in fares for long distance train travel both by air-conditioned and non-air-conditioned classes  
 (2) There would be 15% increase in freight rates on all goods other than foodgrains  
 (3) There would be 15% increase in passenger fares for all classes for long distance travel as well as in freights  
 (4) There would be no increase in fares for both suburban and long distance train travel
81. The nuclear reactors which were damaged heavily due to a strong Earthquake-cum-Tsunami that hit Japan on March 11, 2011 causing radiation leakage were at  
 (1) Fukushima  
 (2) Kyoto  
 (3) Tokyo  
 (4) None of the above
82. The maximum limit on poll expenditure for assembly constituencies has been raised ~~in~~ February, 2011 to  
 (1) 16 lakhs  
 (2) 18 lakhs  
 (3) 20 lakhs  
 (4) 25 lakhs
83. First Indian Prime Minister to visit Siachen has been  
 (1) Rajiv Gandhi  
 (2) Inder Kumar Gujral  
 (3) Man Mohan Singh  
 (4) None of the above
84. Which of the following books has been written by Kishwar Desai ?  
 (1) The Red Devil  
 (2) Witness the Night  
 (3) Tonight This Savage Rite  
 (4) Earth and Ashes
85. Which of the following folk/tribal dances is associated with Karnataka ?  
 (1) Yakshagana  
 (2) Veedhi  
 (3) Jatra  
 (4) Jhora
86. Who of the following received Sangeet Natak Akademi's Ustad Bismillah Khan Yuva Puraska for 2009 in Theatre ?  
 (1) Omkar Shrikant Dadarkar  
 (2) Ragini Chander Sarkar  
 (3) Abanti Chakravorty & Sukracharya Rabha

87. (4) K. Nellai Manikandan  
Which of the following countries did not win any of the 'FIFA World Cup' in 2002, 2006 & 2010 ?  
(1) Brazil  
(2) Argentina  
(3) Spain  
(4) South Africa
88. Who invented vaccination for 'Small Pox' ?  
(1) Sir Fredrick Grant Banting  
(2) Sir Alexander Fleming  
(3) Edward Jenner  
(4) Louis Pasteur
89. Who was the first Indian to become member of British Parliament ?  
(1) Bankim Chander Chatterjee  
(2) W.C. Banerjee  
(3) Dadabhai Naoroji  
(4) None of the above
90. The purchase of shares and bonds of Indian companies by Foreign Institutional Investors is called  
(1) Foreign Direct Investment  
(2) Portfolio Investment  
(3) NRI Investment  
(4) Foreign Indirect Investment
91. BT seed is associated with  
(1) Rice  
(2) Wheat  
(3) Cotton  
(4) Oil seeds
92. The Headquarters of International Atomic Energy Agency is in  
(1) Geneva  
(2) Paris  
(3) Vienna  
(4) Washington
93. In the budget estimates for 2011-12, an allocation of Rs. 400 crore has been made to bring in a green revolution in the East in the rice-based cropping system of  
(1) Assam & West Bengal only  
(2) Assam, West Bengal, Orissa & Bihar only  
(3) Assam, West Bengal, Orissa, Bihar & Jharkhand only  
(4) Assam, West Bengal, Orissa, Bihar, Jharkhand, Eastern Uttar Pradesh & Chhatisgarh
94. In the budget for 2011-12 presented by the Finance Minister on 28.02.2011, the income tax exemption limit for senior citizens (60 years to less than 80 years) has been increased to  
(1) Rs. 2.50 lakh  
(2) Rs. 2.60 lakh  
(3) Rs. 2.80 lakh  
(4) Rs. 3.00 lakh
95. If the Anglo-Indian community does not get adequate representation in the Lok Sabha, two members of the community can be nominated by the  
(1) Prime Minister  
(2) President  
(3) Speaker  
(4) President in consultation with the Parliament
96. For the election of President of India, a citizen should have completed the age of  
(1) 25 years

- (2) 30 years  
(3) 35 years  
(4) 18 years
97. Who said 'A good citizen makes a good state and a bad citizen makes a bad state' ?  
(1) Plato  
(2) Rousseau  
(3) Aristotle  
(4) Laski
98. A member of Parliament will lose his membership of Parliament if he is continuously absent from Sessions for  
(1) 45 days  
(2) 60 days  
(3) 90 days  
(4) 365 days
99. In India, the Residuary Power are vested with  
(1) Union Government  
(2) State Government  
(3) Both the Union Government and the State Government  
(4) Local Government
100. Mention the place where Buddha attain enlightenment  
(1) Sarnath  
(2) Bodh Gaya  
(3) Kapilavastu  
(4) Rajgriha

### PART-C

### NUMERICAL APTITUDE

101. If  $\sqrt{1 + \frac{x}{9}} = \frac{13}{3}$ , then the value of  $x$  is  
(1) 1439/9 (2) 160

- (3) 1443/9 (4) 169
102. The sum of two numbers is 24 and their product is 143. The sum of their squares is  
(1) 296 (2) 295  
(3) 290 (4) 228
103. Which one of the following will completely divide  $5^{71} + 5^{72} + 5^{73}$  ?  
(1) 150 (2) 160  
(3) 155 (4) 30
104. 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  
(1) 140 (2) 80  
(3) 60 (4) 70
105. When 'n' is divisible by 5 the remainder is 2. What is the remainder when  $n^2$  is divided by 5 ?  
(1) 2 (2) 3  
(3) 1 (4) 4
106. 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  
(1) 124 (2) 122  
(3) 118 (4) 114
107. Four runners started running simultaneously from a point on a circular track. They took 200 seconds, 300 seconds to complete one round. After how much time do they meet at the starting point for the first time  
(1) 1800 seconds

- (2) 3600 seconds  
(3) 2400 seconds  
(4) 4800 seconds
108. 'x' number men can finish a piece of work in 30 days. If there were 6 men more, the work could be finish in 10 days less. The original number of men is  
(1) 6 (2) 10  
(3) 12 (4) 15
109. A work can be complete 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?  
(1) 10 (2) 20  
(3) 30 (4) 60
110. 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  
(1) 22 (2)  $22\frac{1}{2}$   
(3) 23 (4)  $23\frac{1}{4}$
111. A copper wire is bent in the form of square with an area of  $121 \text{ cm}^2$ . If the same wire is bent in the form of a circle, the radius (in cm) of the circle is (Take  $\pi = \frac{22}{7}$ )  
(1) 7 (2) 10  
(3) 11 (4) 14
112. The areas of three consecutive faces of a cuboid are  $12 \text{ cm}^2$ ,  $20 \text{ cm}^2$  and  $15 \text{ cm}^2$ , then the volume (in  $\text{cm}^3$ ) of the cuboid is  
(1) 3600 (2) 100  
(3) 80 (4) 60
113. Water is flowing at the rate of 5 km/h through a pipe of diameter 14 cm into a rectangle 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  
(1) 2 (2)  $1\frac{1}{2}$   
(3) 3 (4)  $2\frac{1}{2}$
114. The wheel of a motor car makes 1000 revolutions in moving 440 m. The diameter (in metre) of the wheel is  
(1) 0.44 (2) 0.14  
(3) 0.24 (4) 0.34
115. The sides of a triangle are in the ratio 2 : 3 : 4. The perimeter of the triangle is 18 cm. The area (in  $\text{cm}^2$ ) of the triangle is  
(1) 9 (2) 36  
(3)  $\sqrt{42}$  (4)  $3\sqrt{15}$
116. Marked price of an article is Rs. 275. Shopkeeper allows a discount of 5% and he gets a profit of 4.5%. The actual cost of the article is  
(1) 250 (2) 225  
(3) 215 (4) 210
117. The difference between a discount of 40% on Rs. 500 and two successive discounts of 36%, 4% on the same amount is  
(1) Rs. 0 (2) Rs. 2  
(3) Rs. 1.93 (4) Rs. 7.20

118. If  $x : y = 4 : 5$ , then  
 $(3x + y) : (5x + 3y) =$   
 (1)  $3 : 5$  (2)  $5 : 3$   
 (3)  $17 : 35$  (4)  $35 : 17$
119. 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  
 (1) 32 (2) 40  
 (3) 42 (4) 45
120. 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  
 (1) 8 (2) 6  
 (3) 4 (4) 2
121. 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 Rs. 6,000 at the end of the month, then the monthly income of A is  
 (1) Rs. 12000 (2) Rs. 24000  
 (3) Rs. 30000 (4) Rs. 60000
122. 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?  
 (1) 15 (2) 17  
 (3) 19 (4) None
123. 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  
 (1)  $111\frac{7}{9}$  (2) 122  
 (3) 123 (4)  $137\frac{3}{9}$
124. If the cost price of 15 articles is equal to the selling price of 12 articles, find gain %  
 (1) 20 (2) 25  
 (3) 18 (4) 21
125. 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  
 (1) 37.5% (2) 48%  
 (3) 50.5% (4) 52%
126. A man purchased some eggs at 3 for Rs 5 and sold them at 5 for Rs. 12. Thus he gained Rs. 143 in all. The number of eggs he bought is  
 (1) 210 (2) 200  
 (3) 195 (4) 190
127. X sells two article for Rs. 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  
 (1) 25 % (2)  $18\frac{2}{9}$  %  
 (3)  $16\frac{2}{3}$  % (4) 20 %
128. 20% loss on selling price is what per cent loss on the cost price?  
 (1) 25 % (2) 15 %  
 (3)  $16\frac{2}{3}$  % (4)  $16\frac{1}{3}$  %

129. If 90% of A = 30% of B and B =  $x\%$  of A, then the value of  $x$  is  
 (1) 800 (2) 300  
 (3) 700 (4) 400
130. A reduction of 20% in the price of sugar enables me to purchase 5 kg more for Rs. 600. Find the price of sugar per kg before reduction of price  
 (1) Rs. 24 (2) Rs. 30  
 (3) Rs. 32 (4) Rs. 36
131. The price of a commodity rises from Rs. 6 per kg to Rs. 7.5 per kg. If the expenditure cannot increase, the percentage of reduction in consumption is  
 (1) 15 (2) 20  
 (3) 25 (4) 30
132. First and second numbers are less than a third number by 30% and 37% respectively. The second number is less than the first by  
 (1) 7 % (2) 4 %  
 (3) 3 % (4) 10%
133. Walking at  $\frac{6}{7}$ th of his usual speed a man is 25 minutes too late. His usual time to cover this distance is  
 (1) 2 hours 30 minutes  
 (2) 2 hours 15 minutes  
 (3) 2 hours 25 minutes  
 (4) 2 hours 10 minutes
134. Walking at 5 km/hr a student reaches his school from his house 15 minutes early and walking at 3 km/hr he is late by 9 minutes. What is the distance between his school and his house ?  
 (1) 5 km  
 (2) 8 km  
 (3) 3 km  
 (4) 2 km
135. A sum of Rs. 12,000 deposited at compound interest becomes double after 5 years. After 20 years, it will become  
 (1) Rs. 48,000  
 (2) Rs. 96,000  
 (3) Rs. 1,90,000  
 (4) Rs. 1,92,000
136. Simple interest on a certain sum for 6 years is  $\frac{9}{25}$  of the sum. The rate of interest is  
 (1) 6 % (2)  $6\frac{1}{2}$  %  
 (3) 8 % (4)  $8\frac{1}{2}$  %
137. The difference between the compound interest and simple interest for the amount Rs. 5,000 in 2 years is Rs. 32. The rate of interest is  
 (1) 5 % (2) 8 %  
 (3) 10 % (4) 12 %
138. The least number, which is to be added to the greatest number of 4 digits so that the sum may be divisible by 345, is  
 (1) 50 (2) 6  
 (3) 60 (4) 5
139. If  $\frac{4\sqrt{3}+5\sqrt{2}}{\sqrt{48}+\sqrt{18}} = a + b\sqrt{6}$  then the value of  $a$  and  $b$  are respectively



(1)  $\frac{9}{15}, \frac{4}{15}$

(2)  $\frac{3}{11}, \frac{4}{33}$

(3)  $\frac{9}{10}, \frac{3}{5}$

(4)  $\frac{3}{5}, \frac{4}{15}$

140. If
- $17^{200}$
- is divided by 18, the remainder is

(1) 1

(2) 2

(3) 16

(4) 17

141. If
- $x + \frac{2}{3 + \frac{4}{5 + \frac{7}{8}}} = 10$
- , then the value of
- $x$
- is

(1)  $\frac{1276}{135}$

(2)  $\frac{53}{6}$

(3) 4.35

(4) 9

142. The unit digit in the sum of
- $(124)^{272} + (124)^{272}$
- is

(1) 5

(2) 4

(3) 2

(4) 0

143. The value of

$$3 + \frac{1}{\sqrt{3}} + \frac{1}{3 + \sqrt{3}} + \frac{1}{\sqrt{3} - 3}$$

(1)  $3 + \sqrt{3}$

(2) 3

(3) 1

(4) 0

144. If
- $a * b = a^b$
- , then the value of
- $5 * 3$
- is

(1) 125

(2) 243

(3) 53

(4) 15

145. If
- $1.5x = -0.4y$
- , then the value of

$$\frac{y^2 - x^2}{y^2 + 2xy + x^2}$$

(1)  $\frac{730}{77}$

(2)  $\frac{73}{77}$

(3)  $\frac{73}{770}$

(4)  $\frac{74}{77}$

146. If
- $\sqrt{0.03 \times 0.3 \times a} = 0.3 \times$

$0.3 \times \sqrt{b}$  value of  $\frac{a}{b}$

(1) 0.009

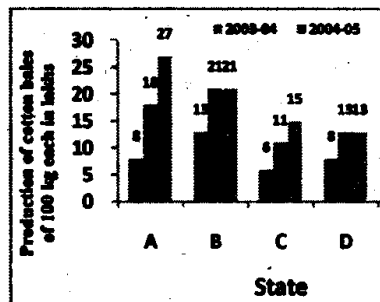
(2) 0.

(3) 0.09

(4) 0.

**Directions (147-150) :**

following graphs shows production of cotton bales of kg each in lakhs by different states A, B, C, D and E over years. Study the graph and answer the following Question



147. The production of State A in 2003-2004 is how many times its production in 2005-2006?

(1) 2.5

(2) 1

(3) 1.5

(4) 0.5

148. In which States is there a steady increase in the production of cotton bales during the given period?

(1) A and B

(2) B and D

(3) A and C

(4) D and E

149. How many kg of cotton bales were produced by State A during the given period?

(1) 32,00,00,000kg

(2) 42,50,00,000kg

- (3) 33,00,00,000kg  
 (4) 35,00,00,000kg
150. The number of States for which the production of cotton in 2005-2006 is less than or equal to the preceding year is
- (1) 3            (2) 2  
 (3) 1            (4) There is no such States

### PART-D

#### ENGLISH COMPREHENSION

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

151. The company let me \_\_\_\_\_ time off work  
 (1) take                      (2) taking  
 (3) to take                  (4) took
152. I assume \_\_\_\_\_ with me  
 (1) every one agreeing  
 (2) that every one agrees  
 (3) every one to agree  
 (4) that every one to agree
153. \_\_\_\_\_ the rain forests is very important, if we do not want the flora and fauna found there to become extinct.  
 (1) reserving  
 (2) destroying  
 (3) preserving  
 (4) maintaining
154. If I had helped him, he \_\_\_\_\_  
 (1) will not be drowned  
 (2) would not be drowned  
 (3) will not have drowned  
 (4) would not have drowned
155. When will you hand \_\_\_\_\_ your assignment ?  
 (1) in  
 (2) back  
 (3) down  
 (4) into

Directions (156-160) : In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

156. Barren  
 (1) good  
 (2) wholesome  
 (3) unproductive  
 (4) profitable
157. Infamy  
 (1) notoriety  
 (2) glory  
 (3) integrity  
 (4) familiarity
158. Intrepid  
 (1) hesitant  
 (2) fearless  
 (3) extrovert  
 (4) rash
159. Prodigal  
 (1) exclusive  
 (2) productive  
 (3) lavish  
 (4) carefree
160. Perspicuous  
 (1) relevant  
 (2) precise  
 (3) brief  
 (4) clear

Directions (161-165) : In the following questions, choose the word opposite in meaning to the given word.

161. Liberty  
(1) serenity  
(2) slavery  
(3) serfdom  
(4) subordination
162. Disorderly  
(1) chaotic  
(2) organized  
(3) adjusted  
(4) arranged
163. Elevation  
(1) reduction  
(2) humiliation  
(3) depression  
(4) debasement
164. Glossy  
(1) dull  
(2) shining  
(3) weary  
(4) tired
165. Appropriate  
(1) dissimilar  
(2) incomparable  
(3) unsuitable  
(4) disparate

Directions (166-170) : In the following questions, four alternatives are given for the given idiom/phrase in best expresses the meaning for the given idiom/phrase.

166. A damp squib  
(1) rainy weather  
(2) a disappointing result  
(3) a skirt in a laundry  
(4) none of the above

167. In cold blood  
(1) angrily  
(2) deliberately  
(3) excitedly  
(4) slowly
168. To take someone for a ride  
(1) to give a ride to someone  
(2) to deceive someone  
(3) to be indifferent  
(4) to disclose a secret
169. To move heaven and earth  
(1) to cause an earthquake  
(2) to try everything possible  
(3) to pray to all Gods  
(4) to travel in a rocket
170. To smell a rat  
(1) to smell foul  
(2) to see a rat  
(3) to chase a rat  
(4) to be suspicious

Directions (171-175) : In the following questions, a sentence is given which a part of which may need improvement. Alternatives are given at (1), (2) and (3) which may be a better option. In case no improvement is needed your answer is (4).

171. What do you for go to school ?  
(1) for what do you go to school ?  
(2) what do you go for to school ?  
(3) what do you go to school for ?  
(4) No improvement
172. He pleased the directors and this completed his report in good time.  
(1) he pleased the directors in

- good time and this completed his report
- (2) he completed his report in good time and this pleased the directors
- (3) he pleased the directors and completed his report and this in good time
- (4) No improvement
173. The courtiers used to tell the King how efficient an administrator he was all day long
- (1) the courtiers all day long used to tell the King how efficient an administrator he was
- (2) The courtiers used all day long to tell the King how efficient an administrator he was
- (3) The courtiers used to tell the King all day long how efficient an administrator he was
- (4) No improvement
174. Every Saturday I go out for shopping
- (1) for shops
- (2) to shopping
- (3) for shop
- (4) No improvement
175. We had a grand party and we enjoyed very much
- (1) we had a grand party and enjoyed very much
- (2) we had a grand party to enjoy very much
- (3) we had a grand party and we enjoyed ourselves very much

(4) No improvement

**Directions (176-180) :** In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentence

176. An inscription on a tomb
- (1) espionage
- (2) epilogue
- (3) epitaph
- (4) elegy
177. Feeling inside you which tells you what is right and what is wrong
- (1) cleverness
- (2) conscience
- (3) consciousness
- (4) fear
178. Release of a prisoner from jail on certain terms and condition
- (1) parole
- (2) parley
- (3) pardon
- (4) acquittal
179. Loss of memory
- (1) ambrosia
- (2) amnesia
- (3) insomnia
- (4) forgetting
180. To struggle helplessly
- (1) flounder
- (2) founder
- (3) fumble
- (4) finger

**Directions (181-185) :** In the following questions, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word.

181. (1) gestalt  
(2) imbroglios  
(3) ampasse  
(4) recondite
182. (1) hindrance  
(2) correspondence  
(3) insurance  
(4) assurance
183. (1) adversery  
(2) arbitrary  
(3) rogue  
(4) colleague
184. (1) rogeu  
(2) colleague  
(3) diluge  
(4) alege
185. (1) malignant  
(2) impertinant  
(3) independant  
(4) neglegent

Directions (186-195) : 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.

Almost every full moon night, the officials in Andaman and Nicobar islands take part in a cautions. The tribe small watch a safe distance as the officials (186) the island in a boat (187) gifts for them. The islander come (188) hesxitably only after the officials (189) dumped the coconuts brought (190) them onto the beach an beging (191) away from their small island. On some nights the triblas even (192) up enough courage to swim upto a few feet (193) from

the boat. The officials maintain that they do (194) want to interfere with the way of life of the tribals. The island (195) heavily on the mainland for most goods.

186. (1) approach  
(2) depart  
(3) present  
(4) leaving
187. (1) coming  
(2) leaving  
(3) carrying  
(4) relieving
188. (1) forward  
(2) backward  
(3) sides  
(4) upward
189. (1) has  
(2) have  
(3) had  
(4) be
190. (1) by  
(2) to  
(3) in  
(4) for
191. (1) watching  
(2) seeing  
(3) sailing  
(4) stopping
192. (1) leave  
(2) muster  
(3) come  
(4) present
193. (1) correctly  
(2) distantly  
(3) near  
(4) away
194. (1) no  
(2) neither  
(3) not

- (4) nor  
 195. (1) spy  
 (2) rely  
 (3) occupy  
 (4) reply

**Directions (196-200) :** In the following questions, some of the sentences have errors and some are correct. Find out which part of a sentence has error. The number of that part is your answer. If there is no error the answer is (4).

196. A great many student (1)/have been declared (2)/successful (3)/no error. (4)  
 197. We are going to launch (1)/this three-crores project (2)/within the next few months (3)/No error. (4)  
 198. I hope to go to shopping (1)/this weekend (2)/if the weather permits (3)/No error (4)  
 199. The lawyer asked (1)/if it was worth to take (2)/the matter to court (3)/No error (4)  
 200. After a carefully investigation (1)/we discovered (2)/that the house was infested with termites (3)/No error. (4)

### ANSWER SHEET

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