

## PART - A : GENERAL INTELLIGENCE & REASONING

**Directions :** In questions no. 1 to 3, select the related letters/word/number from the given alternatives.

1. Wine : Grape :: Whiskey : ?  
 (A) Apple (B) Orange  
 (C) Potato (D) Oats
2. 600 : 2000 :: ? : 9000  
 (A) 5600 (B) 3000  
 (C) 3600 (D) 5400
3. XZG : CAT :: DOG : ?  
 (A) WLT (B) TIW  
 (C) GAD (D) OWT

**Directions :** In questions no. 4 and 5, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

4. \_aabab\_ab\_ab\_bba  
 (A) abba (B) bbaa  
 (C) baaa (D) abaa
5. aa\_baa\_aaa\_ba\_ba  
 (A) babb (B) abba  
 (C) abab (D) abaa

**Directions :** In questions no. 6 to 9, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

6. C2E, E5H, G12K, I27N, ?  
 (A) I57Q (B) I58P  
 (C) J58Q (D) K58Q
7. BEH, DGJ, NQT, ?  
 (A) RMO (B) TKL  
 (C) GHD (D) JMP
8. ZA<sub>5</sub>, Y<sub>4</sub>B, XC<sub>6</sub>, W<sub>3</sub>D, ?  
 (A) VE<sub>5</sub> (B) VE<sub>7</sub>  
 (C) E<sub>7</sub>V (D) V<sub>2</sub>E
9. deb, ijg, nol, ? , xvy  
 (A) stp (B) stq  
 (C) rsp (D) rsq

**Directions :** In questions no. 10 to 14, find the odd word/number pair from the given alternatives.

10. (A) Antagonist (B) Opponent  
 (C) Adversary (D) Ally
11. (A) Diagonal (B) Pentagon  
 (C) Circle (D) Rhombus
12. (A) 354, 543 (B) 543, 453  
 (C) 243, 432 (D) 234, 342
13. (A) Thekkady (B) Vedanthangal  
 (C) Bandipur (D) Mudumalai
14. (A) Firefox (B) Internet Explorer  
 (C) Chrome (D) Google
15. Find the correct set of numbers from the given alternatives.  
 (4, 3, 2), (16, 9, 4), (256, 81, 16),  
 (65536, ? , ? )  
 (A) 190, 20 (B) 6651, 286  
 (C) 6561, 256 (D) 1486, 97

**Directions :** In questions no. 16 to 21, select the missing number from the given responses.

16. 

5	1	25
6	2	18
10	4	25
8	3	?

  
 (A) 4 (B) 10  
 (C) 9 (D) 3
17. 2311, 4529, ? , 8989  
 (A) 6755 (B) 7243  
 (C) 6353 (D) 5662
18. 21, 30, 38, ? , 51, 56, 60  
 (A) 45 (B) 80  
 (C) 35 (D) 55
19. 6, 14, 30, ?  
 (A) 33 (B) 54  
 (C) 29 (D) 27
20. 

4	5	10
36 2	49 2	? 2

  
 (A) 64 (B) 144  
 (C) 55 (D) 100

21. 16 32 48 64  
17 34 51 68  
18 36 54 ?  
(A) 76 (B) 77  
(C) 72 (D) 74
22. Six girls are standing in such a way that they form a circle, facing the centre. Subbu is to the left of Pappu, Revathi is between Subbu and Nisha, Aruna is between Pappu and Keerthana. Who is to the left of Pappu ?  
(A) Aruna (B) Subbu  
(C) Keerthana (D) Nisha
23. Naseebah runs for 10 km in the eastern direction. She then turns left and starts walking for 6 km. Again, she turns left and starts running for 6 km. Then she turns left and walks again for 6 km. How far is she from the starting point ?  
(A) 3 km (B) 4 km  
(C) 5 km (D) 6 km
24. In the following problem,  
= stands for  $\div$   
+ stands for  $-$   
 $\times$  stands for  $=$   
 $-$  stands for  $>$   
 $>$  stands for  $+$   
 $<$  stands for  $\times$   
 $\div$  stands for  $<$
- When these new symbols are substituted, only one will be wrong. Identify the *wrong* one.  
(A)  $4 > 2 < 5 + 8 - 5$   
(B)  $4 < 2 + 5 + 8 \times 5$   
(C)  $4 = 2 + 5 > 8 \times 5$   
(D)  $4 < 2 > 5 + 8 \times 5$
- Directions :** In questions no. 25 to 27, from the given alternatives select the word which **cannot** be formed using the letters of the given word.
25. INTERNATIONAL  
(A) TERMINAL (B) ORIENTAL  
(C) RATIONALE (D) LATTER
26. DEPRECIATE  
(A) PRIDE (B) PEACE  
(C) REPRIEVE (D) CREDIT
27. TENDENTIOUS  
(A) STUDENT (B) INTENTION  
(C) DENTIST (D) TENT
28. You have to follow the symbolic interpretation to solve the question.  
+ = Greater than  $\times$  = Equal to  
 $-$  = Not less than  $\neq$  = Not equal to  
 $|$  = Less than  
 $\phi$  = Not greater than
- Then if  $A - B \phi C$ , which of the following is implied ?  
(A)  $A \phi B | C$  (B)  $A | B + C$   
(C)  $A | B | C$  (D)  $A + B - C$
29. If A stands for +, Q stands for  $-$ , V stands for  $\times$ , R stands for  $\div$ , then what is the value of the given equation ?  
 $225 R 5 A 64 Q 13 V 6 = ?$   
(A) 576 (B) 376  
(C) 15 (D) 476
30. If each of the letters in the English alphabet is assigned an even numerical value beginning A = 2, B = 4 and so on, what will be the total value of the letters for the word INDIA ?  
(A) 94 (B) 72  
(C) 86 (D) 74
31. If 'STYLE' is written as PQVIB, how can 'SMELL' be written in that code ?  
(A) PJIHII (B) PJBII  
(C) PVBII (D) PVHII
32. Select the correct combination of mathematical signs to replace \* signs and to balance the given equation.  
 $8 * 6 * 96 * 2 = 0$   
(A)  $\div - \times$  (B)  $\times \div -$   
(C)  $\times - \div$  (D)  $- \times \div$
33. If P denotes  $\div$ , Q denotes  $\times$ , R denotes  $+$  and S denotes  $-$ , then  $12 Q 15 P 3 R 4 S 6 = ?$   
(A) 68 (B) 70  
(C) 57 (D) 58

SPACE FOR ROUGH WORK

34. A boy was misdirected from his way while returning to his home from his school. In order to reach his home, he first moved 3 km in south direction and then turned to his left and moved 2 km in straight direction on the road leading to the east. From there, he moved to his left and walked 3 km. After this, he again turned to his left and moved 1 km. Finally he reached his home. The home of the boy was in which direction from his school ?

- (A) East (B) South  
(C) West (D) North

35. If SENT is written as '+ ^ x -' and ANT is written as '\* x -', then how is TEN written in that code ?

- (A) - x ^ (B) x + -  
(C) - ^ x (D) \* - x

36. Ram walks 10 m South from his house, turns left and walks 25 m, again turns left and walks 40 m, then turns right and walks 5 m to reach the school. In which direction is the school from his house ?

- (A) East (B) North  
(C) South-West (D) North-East

**Directions :** In questions no. 37 and 38, a statement is given followed by two conclusions/assumptions. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions/assumptions, if any, follow from the given statement.

37. **Statement :**

If people are intelligent they should be creative.

**Assumptions :**

- I. Creativity and intelligence are related.  
II. Creative people are intelligent.

- (A) Both assumptions I and II are valid  
(B) Both assumptions I and II are invalid  
(C) Only assumption I is valid  
(D) Only assumption II is valid

38. **Statement :**

A friend in need is a friend indeed.

**Conclusions :**

- I. All are friends in good times.  
II. Enemies in bad times are not friends.

- (A) Both conclusions I and II follow  
(B) Neither conclusion I nor II follows  
(C) Only conclusion I follows  
(D) Only conclusion II follows

39. Which of the four cubes given in the answer figure can be created by folding the design in question figure ?

**Question figure :**



**Answer figures :**



- (A) (B) (C) (D)

40. The figure below is a drawing of a pile of blocks. When taken apart, how many blocks would be there ?

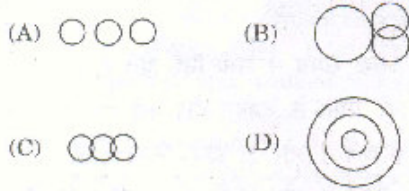
**Question figure :**



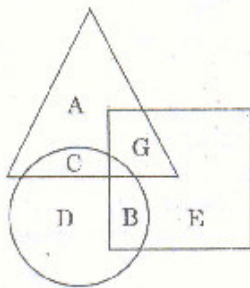
- (A) 5 (B) 6  
(C) 3 (D) 4

SPACE FOR ROUGH WORK

41. Which one of the following diagrams represents the correct relationship among Poison, Bio-products and Food ?

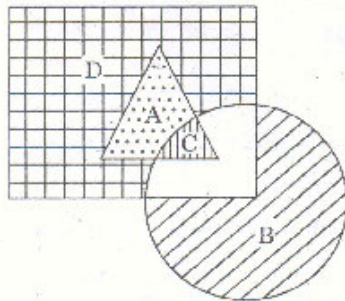


42. In the given figure, the triangle represents people who visited Mysore, the circle represents people who visited Ooty, the square represents people who visited Munnar. The portion which represents people who visited both Mysore and Ooty is



- (A) C (B) D  
(C) G (D) B

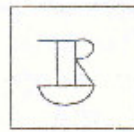
43. In the following diagram, the triangle represents Mothers, circle represents Teachers and the rectangle stands for Women. Which letter (out of A, B, C and D) represents women who are mothers as also teachers ?



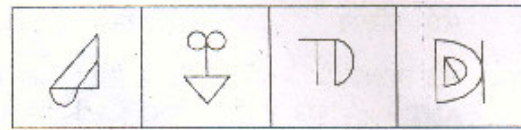
- (A) A (B) B  
(C) D (D) C

44. Which of the answer figures is not made up of only the components of the key figure (question figure) ?

Question figure :



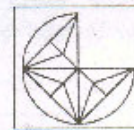
Answer figures :



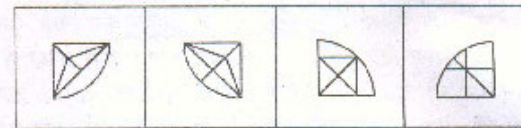
- (A) (B) (C) (D)

Directions : In questions no. 45 and 46, which answer figure will complete the pattern in the question figure ?

45. Question figure :



Answer figures :

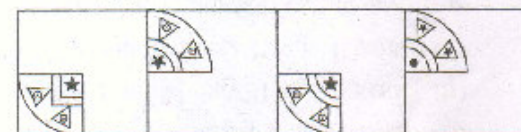


- (A) (B) (C) (D)

46. Question figure :



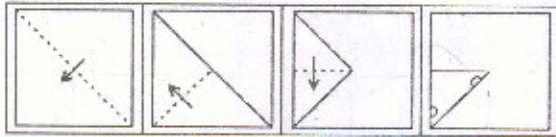
Answer figures :



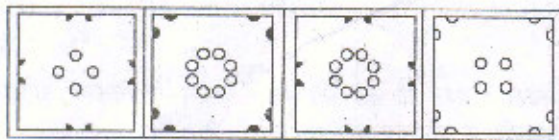
- (A) (B) (C) (D)

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

Question figures :



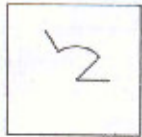
Answer figures :



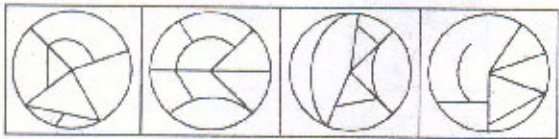
(A) (B) (C) (D)

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

Question figure :



Answer figures :



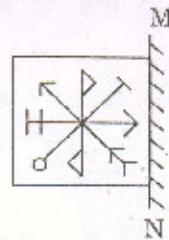
(A) (B) (C) (D)

49. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the matrix given below. The columns and rows of matrix are numbered from 1 to 6. A letter from the matrix can be represented *first* by its row and *next* by its column, e.g., 'A' can be represented by 42, 46, 62, etc. and 'P' can be represented by 15, 43, etc. Similarly, you have to identify the set for the word 'SNOW'.

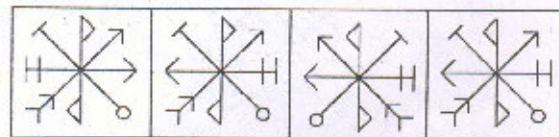
	1	2	3	4	5	6
1	H	R	E	I	P	S
2	S	G	N	D	Z	J
3	B	U	F	T	K	L
4	V	A	P	C	Y	A
5	M	W	C	O	X	N
6	B	A	E	I	L	O

- (A) 21, 23, 54, 52  
 (B) 21, 14, 22, 56  
 (C) 21, 56, 62, 44  
 (D) 16, 56, 46, 35
50. From the answer figures, find out the figure which is the exact mirror image of the question figure, when the mirror is placed on the line 'MN'.

Question figure :



Answer figures :



(A) (B) (C) (D)

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39. From the given alternatives, select the word which **cannot** be formed using the letters given in the words.

CHIEF MINISTER

- (A) SISTER                      (B) FISH  
(C) NEST                        (D) THIEF

*Directions : In questions no. 40 and 41, find the missing number in the series.*

40. 1, 5, 14, 30, 55,     ?

- (A) 91                              (B) 95  
(C) 93                              (D) 90

41. 1234 (36) 5678  
2345 (     ) 6789

- (A) 41                              (B) 40  
(C) 33                              (D) 44

42. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

23, 51, 108, 225,     , 936

- (A) 628                              (B) 459  
(C) 531                              (D) 327

43. Find the odd one from the given alternatives.

- (A) Inland letter  
(B) Envelope  
(C) Scribbling pad  
(D) Aerogramme

*Directions : In questions no. 44 to 46, find the related word from the given alternatives.*

44. Philatelist : Stamps : :     ?

- (A) Numismatist : Coins  
(B) Astrologer : Predictions  
(C) Carpenter : Saw  
(D) Runner : Sneakers

45. Page : Pen : : Computer :     ?

- (A) Keyboard                      (B) Monitor  
(C) CPU                              (D) Cartridge

46. Wimbledon Trophy : Tennis : :  
Walker Cup :     ?

- (A) Wrestling                      (B) Golf  
(C) Hockey                        (D) Polo

47. Six persons A, B, C, D, E and F are walking in a line. C is in front of B. D is behind A, but in front of C. E is behind A, but in front of D. F is in front of A. Who is walking on the extreme back ?

- (A) F                                (B) D  
(C) B                                (D) C

48. B is South-West of A, C is to the East of B and South-East of A and D is to the North of C in line with B and A. In which direction of A is D located ?

- (A) South-West                      (B) North-East  
(C) North                              (D) East

49. If in a language VARANASI is coded as WRSBQBTJ, which word would be coded as BMJSBHII ?

- (A) ALIARHG                      (B) ALIGRAH  
(C) ALIGARII                      (D) ALIRAGH

50. Raju introduced a man, "He is my daughter's maternal uncle's nephew's grandfather." How is Raju related with the man ?

- (A) Brother-in-law                      (B) Father-in-law  
(C) Son-in-law                      (D) Maternal uncle

SPACE FOR ROUGH WORK

**PART - B : GENERAL AWARENESS**

51. Value-added means value of  
(A) goods and services less cost of intermediate goods and services  
(B) output at factor cost  
(C) output at market prices  
(D) goods and services less depreciation
52. The difference between GNP and NNP equals  
(A) depreciation (B) corporate profits  
(C) personal taxes (D) transfer payments
53. Who decides a 'bill' is a money bill ?  
(A) President  
(B) Prime Minister  
(C) Speaker of Lok Sabha  
(D) Chairman of Rajya Sabha
54. Which of the following countries is regarded as the home of 'Fabian Socialism' ?  
(A) Italy (B) Russia  
(C) England (D) France
55. Stagflation refers to a situation which is characterised by  
(A) inflation and rising unemployment  
(B) stagnant employment and deflation  
(C) deflation and rising unemployment  
(D) inflation and rising employment
56. The demand for necessities is  
(A) perfectly elastic  
(B) elastic  
(C) perfectly inelastic  
(D) inelastic
57. The balance of payments of a country is in equilibrium when the  
(A) demand for the domestic currency is the lowest  
(B) demand as well as supply of the domestic currency are the highest  
(C) demand for the domestic currency is equal to its supply  
(D) demand for the domestic currency is the highest
58. For which tax, was constitutional status given much later after its introduction in a small way in 1994 - 95 ?  
(A) Income Tax (B) Customs Duty  
(C) Corporation Tax (D) Taxes on Services
59. The first Sultan who requested and obtained letters of investiture from the Caliph (Khalifa) was  
(A) Alauddin Khilji (B) Iltutmish  
(C) Balban (D) Firuz Tughluq
60. The Buddhist monk who spread Buddhism in Tibet was  
(A) Padmasambhava (B) Nagarjuna  
(C) Ananda (D) Asanga
61. In 1937, an educational conference endorsing Gandhi's proposals for 'basic education' through the vernacular medium was held at  
(A) Wardha (B) Surat  
(C) Bombay (D) Ahmedabad
62. "What is the Third Estate ?" pamphlet - associated with the French Revolution, was written by  
(A) Abbe Sieyes (B) Marquis Lafayette  
(C) Edmund Burke (D) Joseph Foulon
63. Gandhi's Salt Satyagraha was a part of  
(A) Civil Disobedience Movement  
(B) Champaran Satyagraha  
(C) Quit India Movement  
(D) Non-Cooperation Movement
64. Which of the following high dignitaries, who are not members of Parliament, has the right to address it ?  
(A) Chief Election Commissioner of India  
(B) Chief Justice of India  
(C) Attorney General of India  
(D) Solicitor General of India
65. The Declaration of American Independence was based on the theory of  
(A) Natural Rights  
(B) Civil Rights  
(C) Moral Rights  
(D) Legal Rights

SPACE FOR ROUGH WORK

66. The nuclear particle having no mass and no charge, but only spin is  
(A) electron (B) proton  
(C) neutrino (D) meson
67. The technology that is used to establish wireless networking is  
(A) Bluetooth (B) TCP/IP  
(C) J2ME (D) MATLAB
68. What is USB ?  
(A) Urgent Sent Bit  
(B) Ultimate Service Bit  
(C) Universal Sent Bit  
(D) Universal Serial Bus
69. In a period from Li to F, ionisation potential  
(A) remains same  
(B) cannot be predicted  
(C) increases  
(D) decreases
70. Which of the following metals can deposit copper from copper sulphate solution ?  
(A) Gold (B) Platinum  
(C) Mercury (D) Iron
71. The atmospheric layer farthest from the Earth's surface is known as  
(A) Mesosphere (B) Stratosphere  
(C) Exosphere (D) Ionosphere
72. The temperate grasslands of South America are called  
(A) Steppes (B) Prairies  
(C) Pampas (D) Downs
73. Contours are the lines which are drawn joining places having  
(A) equal temperature  
(B) equal height from mean sea level  
(C) equal rainfall  
(D) equal air pressure
74. Soil formed by leaching and oxidation is  
(A) Montane soil  
(B) Black soil  
(C) Laterite soil  
(D) Red soil
75. Which strait separates Australia and Tasmania ?  
(A) Berring (B) Bass  
(C) Bab-el-Mandeb (D) Palk
76. In plant - water relationships, symbol ' $\psi_w$ ' is used to represent  
(A) Osmosis (B) Osmotic pressure  
(C) Water potential (D) Solute potential
77. A molecule in plants comparable to haemoglobin in animals is  
(A) Carotene (B) Cytochrome  
(C) Cellulose (D) Chlorophyll
78. An Antigen is  
(A) the residue of an Antibody  
(B) the result of Antibody  
(C) the opposite of Antibody  
(D) the stimulus for Antibody formation
79. Blood does not coagulate inside the body due to the presence of  
(A) Fibrin (B) Plasma  
(C) Haemoglobin (D) Heparin
80. Leech is an ectoparasite on cattle, which is  
(A) Herbivorous (B) Carnivorous  
(C) Omnivorous (D) Sanguivorous
81. How many chambers does a mammalian heart have ?  
(A) 3 (B) 4  
(C) 1 (D) 2
82. When Arsenic atoms are added to Germanium lattice it becomes a/an  
(A) Extrinsic semiconductor  
(B) Insulator  
(C) Superconductor  
(D) Intrinsic semiconductor
83. Photon is the fundamental unit/quantum of  
(A) light (B) gravitation  
(C) electricity (D) magnetism
84. A liquid disturbed by stirring comes to rest due to  
(A) centripetal force (B) density  
(C) surface tension (D) viscosity

SPACE FOR ROUGH WORK



85. Who was the captain of the West Indies Cricket team, which won the T-20 World Cup 2012 ?  
 (A) D. Bravo (B) Ravi Rampaul  
 (C) Chris Gayle (D) Marlon Samuels
86. Which football player has won the FIFA World Player Award (FIFA Ballon d'Or) for four years in a row ?  
 (A) Michel Platini  
 (B) Andres Iniesta  
 (C) Cristiano Ronaldo  
 (D) Lionel Messi
87. Which among the following is used to dilute oxygen in the gas cylinders used by divers ?  
 (A) Neon (B) Krypton  
 (C) Argon (D) Helium
88. Which one of the following does *not* form oxyacid ?  
 (A) Fluorine (B) Sulphur  
 (C) Chlorine (D) Nitrogen
89. The release of which of the following into ponds and wells helps in controlling mosquitoes ?  
 (A) Gambusia fish (B) Snail  
 (C) Crab (D) Dogfish
90. The ambient air is stable when the ambient lapse rate is  
 (A) Super-adiabatic (B) Neutrally stable  
 (C) Hyper-adiabatic (D) Sub-adiabatic
91. Exposure to mixtures of chemicals are greater than expected on the basis of effects of exposure to each chemical individually. This is known as  
 (A) Independent (B) Additives  
 (C) Antagonism (D) Synergism
92. The filter over which sewage is sprinkled is called as  
 (A) Intermittent sand filter  
 (B) Trickling filter  
 (C) Percolating filter  
 (D) Contact bed
93. Which country has three capitals viz. Administrative, Legislative and Judicial ?  
 (A) South Africa (B) Chile  
 (C) Malaysia (D) Canada
94. How many countries in Africa are members of the Organisation of Petroleum Exporting Countries (OPEC) ?  
 (A) Three (B) Four  
 (C) One (D) Two
95. Who is the Chairman of the 14<sup>th</sup> Finance Commission ?  
 (A) Dr. Y.V. Reddy  
 (B) D. Subba Rao  
 (C) Montok Singh Ahluwalia  
 (D) M. Govinda Rao
96. The largest coral reef in the world is found near the coast of  
 (A) Cuba (B) Brazil  
 (C) Australia (D) Sri Lanka
97. Which one of the following Indian World Heritage Sites is *not* in Madhya Pradesh ?  
 (A) Rock Shelters of Bhimbetka  
 (B) Khajuraho Temples  
 (C) Sun Temple, Konark  
 (D) Sanchi Stupa
98. Who won the "Miss World" title for 2012 ?  
 (A) Ivian Sarcos (B) Alexandria Mills  
 (C) Vanya Mishra (D) Wenxia Yu
99. Who was the first Hindi writer to receive Jnanpith Award ?  
 (A) S.H. Vatsyayan  
 (B) Mahadevi Verma  
 (C) Sumitranandan Pant  
 (D) Dr. Ramdhari Singh Dinkar
100. Who is the author of the book "A Cricketing Life" ?  
 (A) Tony Greig  
 (B) Christopher Martin Jenkins  
 (C) Sunil Gavaskar  
 (D) Kapil Dev

SPACE FOR ROUGH WORK

**PART - C : QUANTITATIVE APTITUDE**

101. A box has 100 blue balls, 50 red balls, 50 black balls. 25% of blue balls and 50% of red balls are taken away. % of black balls at present is  
 (A) 40% (B) 50%  
 (C) 25% (D)  $33\frac{1}{3}\%$
102. A and B together can complete a piece of work in 12 days, B and C can do it in 20 days and C and A can do it in 15 days. A, B and C together can complete it in  
 (A) 10 days (B) 12 days  
 (C) 6 days (D) 8 days
103. A and B together can complete a work in 3 days. They start together. But, after 2 days, B left the work. If the work is completed after 2 more days, B alone could do the work in  
 (A) 8 days (B) 10 days  
 (C) 4 days (D) 6 days
104. A does 20% less work than B. If A can complete a piece of work in  $7\frac{1}{2}$  hours, then B can do it in  
 (A) 8 hours (B) 10 hours  
 (C) 4 hours (D) 6 hours
105. A rational number between  $\frac{3}{4}$  and  $\frac{3}{8}$  is  
 (A)  $\frac{9}{16}$  (B)  $\frac{12}{7}$  (C)  $\frac{7}{3}$  (D)  $\frac{16}{9}$
106. Product of two co-prime numbers is 117. Then their L.C.M. is  
 (A) 39 (B) 117 (C) 9 (D) 13
107. The diameters of two circles are the side of a square and the diagonal of the square. The ratio of the areas of the smaller circle and the larger circle is  
 (A)  $1 : \sqrt{2}$  (B)  $1 : 2$   
 (C)  $1 : 4$  (D)  $\sqrt{2} : \sqrt{3}$
108. The total surface area of a sphere is  $8\pi$  square unit. The volume of the sphere is  
 (A)  $\frac{8\sqrt{3}}{5}\pi$  cubic unit (B)  $\frac{8\sqrt{2}}{3}\pi$  cubic unit  
 (C)  $\frac{8}{3}\pi$  cubic unit (D)  $8\sqrt{3}\pi$  cubic unit
109. A conical flask is full of water. The flask has base radius  $r$  and height  $h$ . This water is poured into a cylindrical flask of base radius  $mr$ . The height of water in the cylindrical flask is  
 (A)  $\frac{h}{3m^2}$  (B)  $\frac{m}{2h}$  (C)  $\frac{h}{2}m^2$  (D)  $\frac{2h}{m}$
110. A dozen pairs of socks quoted at ₹ 180 are available at discount of 20%. How many pairs of socks can be bought for ₹ 48 ?  
 (A) 5 pairs (B) 3 pairs  
 (C) 4 pairs (D) 2 pairs
111. The marked price of a table is ₹ 12,000. If it was sold for ₹ 10,500 after allowing a certain discount, then the rate of discount is  
 (A) 15% (B) 17.5%  
 (C) 10% (D) 12.5%
112. The marked price of a radio set is ₹ 480. The shopkeeper allows a discount of 10% and gains 8%. If no discount is allowed, his gain percent would be  
 (A) 20% (B) 25% (C) 18% (D) 18.5%
113. The prices of a school bag and a shoe are in the ratio 7 : 5. The price of a school bag is ₹ 200 more than the price of a shoe. Then the price of a shoe is  
 (A) ₹ 1,200 (B) ₹ 200 (C) ₹ 700 (D) ₹ 500
114. A sum of ₹ 300 is divided among P, Q and R in such a way that Q gets ₹ 30 more than P and R gets ₹ 60 more than Q. The ratio of their share is  
 (A) 2 : 5 : 3 (B) 5 : 3 : 2  
 (C) 2 : 3 : 5 (D) 3 : 2 : 5
115. The average of nine numbers is 50. The average of the first five numbers is 54 and that of the last three numbers is 52. Then the sixth number is  
 (A) 44 (B) 30 (C) 34 (D) 24
116. The average of the first nine integral multiples of 3 is  
 (A) 18 (B) 21 (C) 12 (D) 15
117. An article is sold for ₹ 300 at a profit of 20%. Had it been sold for ₹ 235, the loss percentage would have been  
 (A) 6 (B) 16 (C) 3 (D) 5

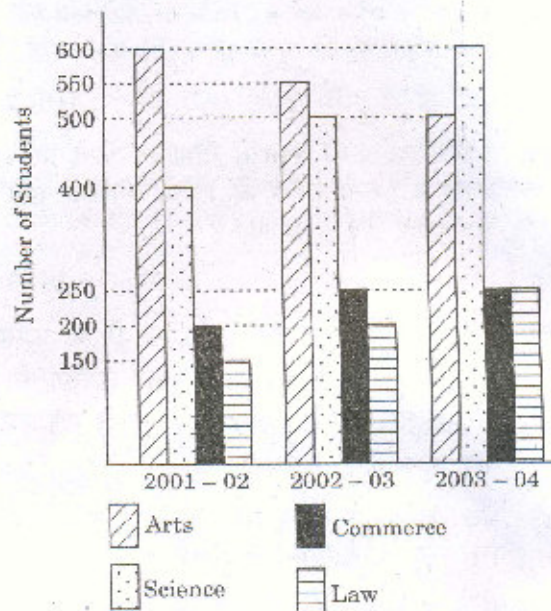
SPACE FOR ROUGH WORK

118. If  $\frac{4x-3}{x} + \frac{4y-3}{y} + \frac{4z-3}{z} = 0$ , then the value of  $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$  is  
 (A) 6 (B) 9 (C) 3 (D) 4
119. Find the simplest value of  $2\sqrt{50} + \sqrt{18} - \sqrt{72}$  (given  $\sqrt{2} = 1.414$ ).  
 (A) 8.484 (B) 4.242  
 (C) 9.898 (D) 10.312
120. If  $a^2 + b^2 + 4c^2 = 2(a + b - 2c) - 3$  and  $a, b, c$  are real, then the value of  $(a^2 + b^2 + c^2)$  is  
 (A)  $2\frac{1}{4}$  (B) 3 (C)  $3\frac{1}{4}$  (D) 2
121. A number  $x$  when divided by 289 leaves 18 as the remainder. The same number when divided by 17 leaves  $y$  as a remainder. The value of  $y$  is  
 (A) 1 (B) 5 (C) 2 (D) 3
122. Two cars are moving with speeds  $v_1, v_2$  towards a crossing along two roads. If their distances from the crossing be 40 metres and 50 metres at an instant of time then they do not collide if their speeds are such that  
 (A)  $v_1 : v_2 = 25 : 16$   
 (B)  $v_1 : v_2 = 16 : 25$   
 (C)  $v_1 : v_2 \neq 4 : 5$   
 (D)  $v_1 : v_2 \neq 5 : 4$
123. A certain distance is covered at a certain speed. If half of this distance is covered in double the time, the ratio of the two speeds is  
 (A) 2 : 1 (B) 1 : 2  
 (C) 4 : 1 (D) 1 : 4
124. The simple interest on ₹ 4,000 in 3 years at the rate of  $x\%$  per annum equals the simple interest on ₹ 5,000 at the rate of 12% per annum in 2 years. The value of  $x$  is  
 (A) 9% (B) 10% (C) 6% (D) 8%
125. If  $x^2 - 3x + 1 = 0$ , then the value of  $x^2 + x + \frac{1}{x} + \frac{1}{x^2}$  is  
 (A) 8 (B) 10 (C) 2 (D) 6
126. N is the foot of the perpendicular from a point P of a circle with radius 7 cm, on a diameter AB of the circle. If the length of the chord PB is 12 cm, the distance of the point N from the point B is  
 (A)  $10\frac{2}{7}$  cm (B)  $6\frac{5}{7}$  cm  
 (C)  $12\frac{2}{7}$  cm (D)  $3\frac{5}{7}$  cm
127. An equation of the form  $ax + by + c = 0$  where  $a \neq 0, b \neq 0, c = 0$  represents a straight line which passes through  
 (A) (3, 2) (B) (2, 4)  
 (C) (0, 0) (D) None of these
128. The numerator of a fraction is 4 less than its denominator. If the numerator is decreased by 2 and the denominator is increased by 1, then the denominator becomes eight times the numerator. Find the fraction.  
 (A)  $\frac{2}{7}$  (B)  $\frac{3}{8}$  (C)  $\frac{3}{7}$  (D)  $\frac{4}{8}$
129. If  $x^2 = y + z, y^2 = z + x$  and  $z^2 = x + y$ , then the value of  $\frac{1}{1+x} + \frac{1}{1+y} + \frac{1}{1+z}$  is  
 (A) 0 (B) -1 (C) 1 (D) 2
130. In a triangle ABC,  $\angle A = 90^\circ, \angle C = 55^\circ, AD \perp BC$ . What is the value of  $\angle BAD$ ?  
 (A)  $55^\circ$  (B)  $35^\circ$  (C)  $60^\circ$  (D)  $45^\circ$
131. If G is the centroid of  $\Delta ABC$  and  $\Delta ABC = 48 \text{ cm}^2$ , then the area of  $\Delta BGC$  is  
 (A)  $24 \text{ cm}^2$  (B)  $32 \text{ cm}^2$   
 (C)  $8 \text{ cm}^2$  (D)  $16 \text{ cm}^2$
132. The diagonals AC and BD of a cyclic quadrilateral ABCD intersect each other at the point P. Then, it is always true that  
 (A)  $AP \cdot CD = AB \cdot CP$   
 (B)  $BP \cdot AB = CD \cdot CP$   
 (C)  $AP \cdot CP = BP \cdot DP$   
 (D)  $AP \cdot BP = CP \cdot DP$

SPACE FOR ROUGH WORK

133. If  $\cos \theta + \sin \theta = \sqrt{2} \cos \theta$ , then  $\cos \theta - \sin \theta$  is  
 (A)  $\sqrt{2} \sin \theta$  (B)  $\sqrt{2} \tan \theta$   
 (C)  $-\sqrt{2} \cos \theta$  (D)  $-\sqrt{2} \sin \theta$
134. If  $\tan \alpha = n \tan \beta$  and  $\sin \alpha = m \sin \beta$ , then  $\cos^2 \alpha$  is  
 (A)  $\frac{m^2 + 1}{n^2 + 1}$  (B)  $\frac{m^2}{n^2 + 1}$   
 (C)  $\frac{m^2}{n^2}$  (D)  $\frac{m^2 - 1}{n^2 - 1}$
135. If  $\cos^4 \theta - \sin^4 \theta = \frac{2}{3}$ , then the value of  $1 - 2 \sin^2 \theta$  is  
 (A)  $\frac{1}{3}$  (B)  $\frac{4}{3}$  (C) 0 (D)  $\frac{2}{3}$
136. If O be the circumcentre of a triangle PQR and  $\angle QOR = 110^\circ$ ,  $\angle OPR = 25^\circ$ , then the measure of  $\angle PRQ$  is  
 (A)  $60^\circ$  (B)  $65^\circ$  (C)  $50^\circ$  (D)  $55^\circ$
137. A vertical stick 12 cm long casts a shadow 8 cm long on the ground. At the same time, a tower casts a shadow 40 m long on the ground. The height of the tower is  
 (A) 70 m (B) 72 m  
 (C) 60 m (D) 65 m
138. A, B, C, D are four points on a circle. AC and BD intersect at a point E such that  $\angle BEC = 130^\circ$  and  $\angle ECD = 20^\circ$ .  $\angle BAC$  is  
 (A)  $110^\circ$  (B)  $120^\circ$  (C)  $90^\circ$  (D)  $100^\circ$
139. In a triangle, if three altitudes are equal, then the triangle is  
 (A) Isosceles (B) Obtuse  
 (C) Equilateral (D) Right
140. The tops of two poles of height 24 m and 36 m are connected by a wire. If the wire makes an angle of  $60^\circ$  with the horizontal, then the length of the wire is  
 (A)  $6\sqrt{3}$  m (B) 6 m  
 (C)  $8\sqrt{3}$  m (D) 8 m
141. The value of  $\frac{1}{\operatorname{cosec} \theta - \cot \theta} - \frac{1}{\sin \theta}$  is  
 (A)  $\tan \theta$  (B) 1  
 (C)  $\cot \theta$  (D)  $\operatorname{cosec} \theta$
142. The value of  $\frac{1}{(1 - \tan^2 \theta)} + \frac{1}{(1 + \cot^2 \theta)}$  is  
 (A)  $\frac{1}{2}$  (B)  $\frac{1}{4}$  (C) 1 (D) 2
143. If  $\tan \theta = \frac{3}{4}$  and  $\theta$  is acute, then  $\operatorname{cosec} \theta$  is  
 (A)  $\frac{4}{3}$  (B)  $\frac{4}{5}$  (C)  $\frac{5}{3}$  (D)  $\frac{5}{4}$

**Directions :** Shown below is the multiple bar diagram depicting the changes in the roll strength of a college in four faculties from 2001 - 02 to 2003 - 04.

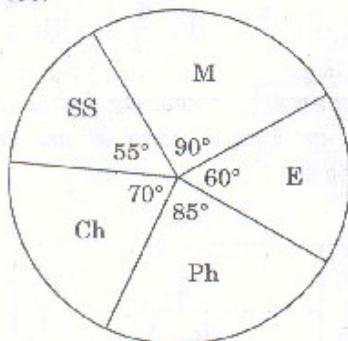


Study the above bar diagram and answer the questions no. 144 to 146.

144. Percentage of increase in Science students in 2003 - 04 over 2001 - 2002 is  
 (A)  $66\frac{2}{3}\%$  (B) 75%  
 (C) 50% (D) 150%
145. The percentage of students in Science faculty in 2001 - 2002 is  
 (A) 29.6% (B) 30.2%  
 (C) 26.9% (D) 27.8%
146. The percentage of students in Law faculty in 2003 - 04 is  
 (A) 16.7% (B) 14.8%  
 (C) 18.5% (D) 15.6%

SPACE FOR ROUGH WORK

**Directions :** The following pie-chart shows the marks scored by a student in different subjects - viz. Physics (Ph), Chemistry (Ch), Mathematics (M), Social Science (SS) and English (E) in an examination. Assuming that total marks obtained for the examination is 810, answer the questions no. 147 - 150.



147. The difference of marks between Physics and Chemistry is same as that between  
 (A) English and Social Science  
 (B) Chemistry and Social Science  
 (C) Physics and English  
 (D) Mathematics and English
148. The marks obtained in Mathematics and Chemistry exceed the marks obtained in Physics and Social Science by  
 (A) 45 (B) 50 (C) 30 (D) 40
149. The subject in which the student obtained 135 marks is  
 (A) Mathematics (B) English  
 (C) Physics (D) Chemistry
150. The marks obtained in English, Physics and Social Science exceed the marks obtained in Mathematics and Chemistry by  
 (A) 11% (B)  $11\frac{1}{9}\%$   
 (C) 10% (D)  $10\frac{1}{9}\%$

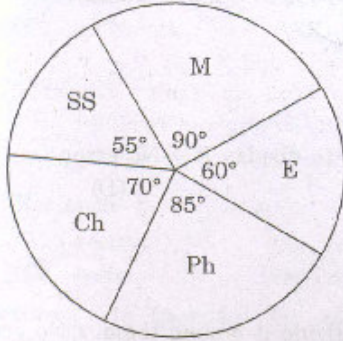
**FOR VISUALLY HANDICAPPED CANDIDATES ONLY**

144. ₹ 120 is divided among X, Y and Z so that X's share is ₹ 20 more than Y's share and ₹ 20 less than Z's. What is Y's share?  
 (A) ₹ 20 (B) ₹ 15  
 (C) ₹ 30 (D) ₹ 25

145. A tangent PT from P to a circle of radius 8 cm has its length 15 cm. The distance of P from the centre of the circle is  
 (A) 18 cm (B) 20 cm  
 (C) 16 cm (D) 17 cm
146. If  $x \cos \theta = 3$  and  $4 \tan \theta = y$ , then the relation between x and y, which is independent of  $\theta$ , is given by  
 (A)  $\frac{9}{x^2} - \frac{16}{y^2} = 1$  (B)  $\frac{x^2}{9} - \frac{y^2}{16} = 1$   
 (C)  $\frac{9}{x^2} + \frac{16}{y^2} = 1$  (D)  $\frac{x^2}{9} + \frac{y^2}{16} = 1$
147. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is  $\frac{9}{35}$ . The original fraction is  
 (A)  $\frac{2}{15}$  (B)  $\frac{3}{10}$  (C)  $\frac{3}{14}$  (D)  $\frac{3}{16}$
148. The highest score in an innings was  $\frac{3}{11}$  of the total and the next highest was  $\frac{3}{11}$  of the remainder. If the scores differed by 9, then the total score is  
 (A) 121 (B) 132  
 (C) 99 (D) 110
149. Three boys step off from the same places. If their steps measure 36 cm, 48 cm and 54 cm respectively, at what distance from the starting point will they again step together?  
 (A) 3 m 32 cm (B) 4 m 32 cm  
 (C) 1 m 32 cm (D) 2 m 32 cm
150. x is one more than 3 times 'a', y is 7 less than twice 'a', z is 3 less than 'a'. If 6 times the square of z is 7 less than x multiplied by y, then the value of 'a' is  
 (A) -1 (B) 4 (C) 3 (D) 2

SPACE FOR ROUGH WORK

निर्देश : निम्नलिखित वृत्तरेख एक छात्र द्वारा एक परीक्षा में विभिन्न विषयों में प्राप्त अंक दर्शाता है, यथा भौतिकी (Ph), रसायन (Ch), गणित (M), सामाजिक विज्ञान (SS) और अंग्रेजी (E)। मान लें कि परीक्षा के लिए प्राप्त कुल अंक 810 हैं। प्रश्न सं. 147-150 के उत्तर दें।



147. भौतिकी और रसायन के बीच अंकों का अंतर उतना ही है जितना \_\_\_\_\_ के बीच।  
 (A) अंग्रेजी और सामाजिक विज्ञान  
 (B) रसायन और सामाजिक विज्ञान  
 (C) भौतिकी और अंग्रेजी  
 (D) गणित और अंग्रेजी
148. गणित तथा रसायन में प्राप्त अंक भौतिकी तथा सामाजिक विज्ञान में प्राप्त अंकों से कितने अधिक हैं ?  
 (A) 45 (B) 50 (C) 30 (D) 40
149. छात्र ने किस विषय में 135 अंक प्राप्त किए ?  
 (A) गणित (B) अंग्रेजी  
 (C) भौतिकी (D) रसायन
150. अंग्रेजी, भौतिकी और सामाजिक विज्ञान में प्राप्त अंक गणित तथा रसायन में प्राप्त अंकों से कितने अधिक हैं ?  
 (A) 11% (B)  $11\frac{1}{9}\%$   
 (C) 10% (D)  $10\frac{1}{9}\%$

केवल दृष्टिबाधित उम्मीदवारों के लिए

144. X, Y और Z के बीच ₹ 120 को इस प्रकार विभाजित किया जाता है कि X का अंश Y के अंश से ₹ 20 अधिक है और Z के अंश से ₹ 20 कम है। Y का अंश कितना होगा ?  
 (A) ₹ 20 (B) ₹ 15  
 (C) ₹ 30 (D) ₹ 25

145. 8 सेमी त्रिज्या वाले वृत्त पर P से स्पर्श रेखा PT की लंबाई 15 सेमी है। वृत्त के केन्द्र से P की दूरी कितनी होगी ?  
 (A) 18 सेमी (B) 20 सेमी  
 (C) 16 सेमी (D) 17 सेमी

146. यदि  $x \cos \theta = 3$  और  $4 \tan \theta = y$ , तो x और y का सम्बन्ध जो 0 से स्वतंत्र है, किस प्रकार निर्धारित किया जाएगा ?

- (A)  $\frac{9}{x^2} - \frac{16}{y^2} = 1$  (B)  $\frac{x^2}{9} - \frac{y^2}{16} = 1$   
 (C)  $\frac{9}{x^2} + \frac{16}{y^2} = 1$  (D)  $\frac{x^2}{9} + \frac{y^2}{16} = 1$

147. यदि किसी भिन्न के अंश को 200% तक बढ़ाया जाता है और भिन्न के हर को 150% तक बढ़ाया जाता है, तो परिणामी भिन्न  $\frac{9}{35}$  आती है। बताइए मूल भिन्न क्या होगी ?

- (A)  $\frac{2}{15}$  (B)  $\frac{3}{10}$  (C)  $\frac{3}{14}$  (D)  $\frac{3}{16}$

148. एक परी में सर्वाधिक स्कोर कुल स्कोर का  $\frac{3}{11}$  था और अगला सर्वाधिक स्कोर शेष स्कोर का  $\frac{3}{11}$  था। यदि स्कोर में 9 का अंतर हो, तो कुल स्कोर कितना था ?

- (A) 121 (B) 132  
 (C) 99 (D) 110

149. तीन लड़के एक ही स्थान से चले। यदि उनके कदम क्रमशः 36 सेमी, 48 सेमी और 54 सेमी थे, तो प्रस्थान बिन्दु से कितनी दूरी पर वे फिर से एक-साथ कदम रखेंगे ?

- (A) 3 मी. 32 सेमी (B) 4 मी. 32 सेमी  
 (C) 1 मी. 32 सेमी (D) 2 मी. 32 सेमी

150. x 'a' के 3 गुणा से एक अधिक है, y 'a' के दो गुणा से 7 कम है, z 'a' से 3 कम है। यदि z के वर्ग का 6 गुणा, x और y के गुणनफल से 7 कम है, तो 'a' का मान क्या होगा ?

- (A) -1 (B) 4 (C) 3 (D) 2

रफ कार्य के लिए स्थान

**PART - D : ENGLISH COMPREHENSION**

**Directions :** In questions no. 151 to 155, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the oval (●) corresponding to the appropriate letter (A, B, C). If a sentence is free from error, blacken the oval corresponding to (D) in the Answer Sheet.

151. If we have no definite aim before us / we would only wonder about in aimless pursuits /  
 (A)  (B)   
 and achieve nothing. / No error.  
 (C)  (D)
152. He is anxious not only / to acquire knowledge / but also eager to display it. / No error.  
 (A) (B)  (C)  (D)
153. I went to / see the Taj Mahal / in a moonlit night. / No error.  
 (A)  (B)  (C)  (D)
154. Having found a piece of cheese, / two cats went to a dog / to divide it among them. / No error.  
 (A)  (B)  (C)  (D)
155. Being a holiday, / we went out / for a picnic. / No error.  
 (A) (B)  (C)  (D)

**Directions :** In questions no. 156 to 160, sentences are given with blanks to be filled with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

156. \_\_\_\_\_ the new Safari Storme, Mahindra has more leverage in increasing the sales.  
 (A) In  (B) With  
 (C) At  (D) On
157. The passenger car sales showed a decline \_\_\_\_\_ 7% to 5-6%.  
 (A) to  (B) from  
 (C) for  (D) of
158. There is a \_\_\_\_\_ amount of fatty acids and carbohydrates in some of the imported chocolates.  
 (A) neglected  (B) neglecting  
 (C) negligent  (D) negligible
159. I'm not as successful \_\_\_\_\_ she is.  
 (A) than  (B) then  
 (C) as  (D) like

160. Many Tamil-speaking Sri Lankans \_\_\_\_\_ from the island to escape the military and its atrocities.  
 (A) flew  (B) flown  
 (C) flee  (D) fled

**Directions :** In questions no. 161 to 163, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

161. Hallucination  
 (A) deception  (B) delusion   
 (C) habitat  (D) dress
162. Salacious  
 (A) lustful  (B) angry  
 (C) unhappy  (D) satisfied
163. Derive  
 (A) obtain  (B) contain  
 (C) attain  (D) sustain

SPACE FOR ROUGH WORK

**Directions :** In questions no. 164 to 166, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

164. Aggravate  
(A) alleviate (B) depreciate  
(C) extinguish (D) subsidise
165. Indelible  
(A) temporary (B) decorous  
(C) surprising (D) concerted
166. Retrench  
(A) recruit (B) revamp  
(C) belie (D) deviate

**Directions :** In questions no. 167 to 171, four alternatives are given for the Idiom/Phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase and mark it in the Answer Sheet.

167. Over the years, we remained loyal through thick and thin.  
(A) in spite of all the difficulties  
(B) to our principles  
(C) to employers and subordinates  
(D) in married life
168. My ten-year-old son is an incredible live-wire.  
(A) energetic (B) lazy  
(C) dangerous (D) naughty
169. He had to cool his heels before he could get an appointment with the doctor.  
(A) to lose one's temper  
(B) to be kept waiting  
(C) to make publicly known  
(D) to exercise influence
170. The captains of the rival teams should try to bury the hatchet.  
(A) forget the past  
(B) put up a stiff competition  
(C) make peace  
(D) win the game
171. He stopped at the bar to wet his whistle.  
(A) have a drink (B) have a nap  
(C) be happy (D) have a problem

**Directions :** In questions no. 172 to 181, a sentence/part of the sentence is underlined. Below are given alternatives to the underlined sentence/part of the sentence at (A), (B) and (C) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (D).

172. The vivid photos of majestic animals and colourful birds from the wild-life park is a graphic depiction of what is beautiful in the continent of Africa.  
(A) are graphic depictions of what is beautiful in  
(B) is a beautiful and graphic depiction of  
(C) is a graphic depiction of what was beautiful in  
(D) No improvement
173. New hires in this laboratory should anticipate excellent research opportunities and getting valuable clinical experience.  
(A) and also getting (B) and obtaining  
(C) as well as (D) No improvement
174. It is more better to take this route than the other one.  
(A) better (B) more good  
(C) good (D) No improvement
175. She is absent; she must be sick again.  
(A) She is absent; she is sick again  
(B) She is absent; she must have been sick again  
(C) She is absent; she has been sick again  
(D) No improvement
176. Jackie has already gone to the airport she will meet us at the check-in counter.  
(A) gone to the airport and she will meet us  
(B) gone to the airport, she ought to meet us  
(C) gone to the airport and Jackie will meet us  
(D) No improvement
177. The place at which the two roads meet, you will find a small log cabin.  
(A) At the place where the two roads meet  
(B) The place where the two roads meet  
(C) Where the two roads meet  
(D) No improvement

SPACE FOR ROUGH WORK



178. The Blue Whale, weighing more than 150 tons, the largest known animal on Earth.

- (A) weighing more than 150 tons, is the
- (B) which weighs more than 150 tons, being the
- (C) weighing more than 150 tons, it is
- (D) No improvement

179. Although I was initially apprehensive, I found the eating of snails to be a rather pleasant experience.

- (A) I found the snails experienced
- (B) I found it to be a more pleasant experience
- (C) I ate the pleasant snail's experience
- (D) No improvement

180. The man ate an apple, an orange, and washed his hands.

- (A) an apple, an orange, washed his hands
- (B) an apple, an orange and his washed hands
- (C) an apple and an orange, and washed his hands
- (D) No improvement

181. After we ate a spectacular nine-course dinner, three television shows were watched by us.

- (A) we engaged in the watching of three shows
- (B) we watched three television shows
- (C) we were watching three television shows
- (D) No improvement

**Directions :** In questions no. 182 to 188, out of the four alternatives, choose the one which can be substituted for the given words/sentence and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

182. Not easily pleased by anything

- (A) Precarious
- (B) Fastidious
- (C) Maiden
- (D) Medieval

183. To die without having made a will

- (A) Insolvent
- (B) Intaglio
- (C) Inveterate
- (D) Intestate

184. One who enjoys inflicting pain on himself

- (A) sadist
- (B) masochist
- (C) nihilist
- (D) egoist

185. Murder of a brother

- (A) Homicide
- (B) Fratricide
- (C) Patricide
- (D) Regicide

186. More like a woman than a man in manners and habits

- (A) Delicate
- (B) Unmanly
- (C) Effeminate
- (D) Womanish

187. Handwriting which is difficult or impossible to read

- (A) Illogical
- (B) Unintelligible
- (C) Eligible
- (D) Illegible

188. To play the part of, and function as, some other person

- (A) Act
- (B) Imitate
- (C) Pretend
- (D) Impersonate

**Directions :** In Questions No. 189 to 190, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer Sheet.

189. (A) annihilate (B) anihilate

- (C) annihilate
- (D) anihillate

190. (A) embarrassed (B) embarased

- (C) embarassed
- (D) embarrassed

**Directions :** In questions no. 191 to 200, you have a passage with 10 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate oval (●) in the Answer Sheet.

#### Passage (191 - 200)

Many people who are looking to get a pet dog get a puppy. There are many reasons why people get puppies. After all, puppies are cute, friendly, and playful. But even though puppies make good pets, there are good reasons why you should consider getting an adult dog instead. When you get a puppy, you have to teach it how to behave. You have to make sure that the puppy is housebroken so that it does not go to the bathroom inside the house. You have to teach the puppy not to jump up on your guests or chew on your shoes. You have to train the puppy to walk on a leash. This is a lot of work.

On the other hand, when you get an adult dog, there is a good chance that it will already know how to do all of the previously mentioned things. Many adult dogs have already been housebroken. Many adult dogs will not jump on or chew things that you do not want them to jump on or chew. Many adult dogs will be able to walk on a leash without pulling you to the other side of the street.

Puppies also have a lot of energy and want to play all of the time. This can be fun, but you might not want to play as much as your puppy does. Puppies will not always sleep through the night or let you relax as you watch television.

On the other hand, most adult dogs will wait on you to play. What is more, they will sleep when you are sleeping and are happy to watch television on the couch right beside you. There is one last reason why you should get an adult dog instead of a puppy. When most people go to the pound to get a dog, they get a puppy. This means that many adult dogs spend a lot of time in the pound, and some never find good homes. So if you are looking to get a dog for a pet, you should think about getting an adult dog. They are good pets who need good homes.

191. The passage speaks of  
(A) how puppies can be very destructive  
 (B) the work involved in training puppies  
(C) the immature acts of puppies  
(D) how puppies do not make good pets
192. Which is the best example of a dog that is housebroken?  
(A) Rover never jumps on guests  
(B) Muffin chews on people's shoes  
 (C) Spot goes outside to use the bathroom  
(D) Rex always breaks things inside the house
193. The author apparently thinks that puppies are  
(A) not as cute as adult dogs  
(B) not as playful as adult dogs  
(C) hardworking  
 (D) friendly and playful
194. Which is the best synonym for 'behave' as applicable to this passage?  
(A) train  
(C) listen  
 (B) act  
(D) understand

195. As used in paragraph 3, which is the best synonym for relax?  
(A) play  
(C) work  
 (B) rest  
(D) leave
196. The author begins paragraphs 2 and 4 with the phrase, "On the other hand". This phrase is used to  
(A) contradict a later statement  
 (B) support the following paragraph  
(C) highlight an example  
 (D) contradict previous information
197. In the final paragraph, the author says "many adult dogs spend a lot of time in the pound, and some never find good homes." Based on the passage, why is this most likely?  
 (A) people think that puppies are cute and playful and do not always think about how much work it will take to train them  
(B) People do not want to get a dog that does not have much time left to live  
 (C) People see adult dogs as unhappy and dangerous, while they see puppies as cute and friendly  
(D) People understand that most adult dogs still need a lot of training before they understand how to behave properly
198. Based on the information in the passage, it can be understood that someone who owns a puppy must be very  
(A) optimistic  
(C) strict  
 (B) responsible  
(D) serious
199. According to the passage, why is it easier to take care of adult dogs than puppies?  
I. Puppies need to learn how to walk well on a leash.  
II. Adult dogs have less energy than puppies.  
III. It is harder for adult dogs to find a home than it is for puppies.  
(A) II and III only  
(C) I only  
 (B) I, II and III  
(D) I and II only
200. Based on the information in the passage, which of the following statements is false?  
 (A) Adult dogs do not like to play  
(B) Adult dogs do not need to eat very much  
(C) Puppies have a lot of energy  
(D) Puppies need a lot of attention