

REASONING ABILITY

1. If the following numbers are re-written by interchanging the digits in ten's place and hundred's place and then arranging them in the descending order, what will be the second digit of the newly formed fifth number from your right ?

479, 736, 895, 978, 389, 675

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

2. P is 60 m South-East of Q. R is 60 m North-East of Q. Then, R is in which direction of P ?

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

Directions (3 - 5) : Read the following information for answering the questions that follow :

On a playing ground A, B, C, D and E are standing as described below facing the North.

- (i) B is 50 metres to the right of D.
(ii) A is 60 metres to the South of B.
(iii) C is 40 metres to the West to D.
(iv) E is 80 metres to the North of A.

3. If a boy walks from C, meets D followed by B, A and then E, how many metres has he walked if he has travelled the straight distance all through ?

- (1) 120 (2) 150
(3) 170 (4) 230

4. What is the minimum distance (in metre approximately) between C and E ?

- (1) 53 (2) 78
(3) 92 (4) 120

5. Who is to the South-East of the person who is to the left of D ?

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

6. A man was walking in the evening just before the sun set. His wife said that, his shadow fell on his

right. If the wife was walking in the opposite direction of the man, then which direction the wife was facing ?

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

Directions (7 - 11) : In each of the following questions choose the set of numbers from the four alternative sets that is similar to the given set.

7. Given set : (4, 9, 18)

- (1) (8, 14, 22)
(2) (10, 15, 25)
(3) (6, 12, 23)
(4) (12, 17, 26)

8. Given set : (10, 14, 17)

- (1) (4, 11, 14)
(2) (9, 12, 15)
(3) (8, 13, 18)
(4) (6, 9, 12)

9. Given set : (7, 27, 55)

- (1) (21, 35, 52)
(2) (18, 42, 65)
(3) (16, 40, 72)
(4) (13, 30, 58)

10. Given set : (39, 28, 19)

- (1) (84, 67, 52)
(2) (52, 25, 17)
(3) (70, 49, 36)
(4) (65, 45, 21)

11. Given set : (246, 257, 358)

- (1) (233, 343, 345)
(2) (273, 365, 367)
(3) (143, 226, 237)
(4) (145, 235, 325)

Directions (12 - 16) : Each question contains six or seven statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

12. (A) All books are having pages.
(B) All kings are having pages.
(C) All kings are books.
(D) Some heavy things are having pages.
(E) Some heavy things are books.
(F) Some books are heavy.

(G) Some heavy things are having pages.

- (1) ABC (2) FAD
(3) DFA (4) AEG

13. (A) No athletes are vegetarians.
(B) All cricket players are athletes.
(C) Some athletes play cricket.
(D) Some cricket players are vegetarians.

(E) No cricket player is a vegetarian.

(F) All athletes are vegetarians.

- (1) ABE (2) CDA
(3) CEB (4) BEF

14. (A) All grand-mothers cook well.
(B) No man is a grand-mother.
(C) Some men do not cook well.
(D) All those who cook well are men.

(E) No one who cooks well is a man.

(F) All those who cook well are grand-mothers.

(G) Some men are not grand-mothers.

- (1) BFE (2) BEG
(3) ADB (4) FDG

15. (A) Looting is a crime.
(B) Some crooked people are criminals.

(C) All those involved in looting are criminals.

(D) Some crooked people are involved in looting.

(E) All criminals are looked down in society.

(F) Some crooked people are not criminals.

- (1) ADF (2) CFB
(3) ABF (4) CDB

16. (A) Some women are those who are successful in life.

(B) Some men are those who have patience.

(C) No man is a woman.

(D) All those who have patience are successful in life.

(E) Some who are successful in life are men.

(F) Some men are not those are successful in life.

(1) ACF (2) DBF

(3) AEC (4) BDE

Directions (17 - 21) : Each of the questions below consists of a question and two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question.

Give answer :

(1) if the data in statement (I) alone are sufficient to answer the question, while the data in statement (II) alone are not sufficient to answer the question.

(2) if the data in statement (II) alone are sufficient to answer the question, while the data in statement (I) alone are not sufficient to answer the question;

(3) if the data even in both statements (I) and (II) together are not sufficient to answer the question;

(4) if the data in both statements (I) and (II) together are necessary to answer the question.

17. In which direction is Mahatma's statue facing ?

I. The statue is towards the northern end of the city.

II. The statue's shadow falls towards East at 5 O'clock in the evening.

18. What is the total number of pupils in the final year class ?

I. The number of boys in the final year class is twice as much as the number of girls in that class.

II. The sum of the ages of all the pupils in the class is 399 years and their average age is 19 years.

19. Who is the tallest among A, B, C and D ?

I. A is taller than C.

II. B is taller than C and D.

20. How many Sundays are there in a particular month of a particular year ?

I. The month begins on Monday.

II. The month ends on Wednesday.

21. What is the total number of pages in this book ?

I. I counted 132 pages from the beginning of this book.

II. My wife counted remaining 138 pages starting from the end of the same book.

Directions (22 - 26) : In each of the questions given below, there is a statement followed by three assumptions numbered I, II and III. An assumption is something supposed or taken for granted. You have to consider the statement and assumptions and then decide, which of the assumption (s) is/are implicit in the statement.

22. **Statement :** During pre-harvest kharif seasons, the government has decided to release vast quantity of foodgrains from FCI.

Assumptions :

I. There may be a shortage of foodgrains in the market during this season.

II. The kharif crop may be able to replenish the stock of FCI.

III. There may be a demand from the farmers to procure kharif crop immediately after harvest.

(1) None is implicit

(2) Only I and II are implicit

(3) Only II and III are implicit

(4) All are implicit

23. **Statement :** To improve the employment situation in India, there is a need to recast the present educational system towards implementation of scientific discoveries in daily life.

Assumptions :

I. The students after completing such education may be able to earn their livelihood.

II. This may bring meaning of education in the minds of the youth.

III. The state may earn more revenue as more and more people will engage themselves in self-employment.

(1) Only I and II are implicit

(2) Only III is implicit

(3) Only I and III are implicit

(4) None is implicit

24. **Statement :** To increase profit, the oil exporting countries decided to reduce the production of crude by 5 million barrels per day.

Assumptions :

I. The price of crude may increase due to less production.

II. The demand of crude may remain same in future.

III. Other countries may continue buying crude from these countries.

(1) All are implicit

(2) Only II and III are implicit

(3) Only I and II are implicit

(4) None is implicit

25. **Statement :** "We do not want you to see our product on newspaper, visit our shop to get a full view" — an advertisement.

Assumptions :

I. People generally decide to purchase any product after seeking the name in the advertisement.

II. Uncommon appeal may attract the customers.

III. People may come to see the product.

(1) All are implicit

(2) None is implicit

(3) Only II and III are implicit

(4) Only I and II are implicit

26. **Statement :** The Reserve Bank of India has directed the banks to refuse fresh loans to major defaulters.

Assumptions :

I. The banks may still give loans to the defaulters.

II. The defaulters may repay the earlier loan to get fresh loan.

III. The banks may recover the bad loans through such harsh measures.

(1) All are implicit

(2) None is implicit

(3) Both II and III are implicit

(4) Both I and II are implicit

Directions (27-31) : In questions given below, statements 1 and 2 are followed by conclusions I and II. Taking the statements to be right although they may seem at variance with commonly accepted facts, mark your answers as under :

(1) If only conclusion I follows.

(2) If only conclusion II follows.

(3) If both I and II follow.

(4) Neither I nor II follows

27. Statements :

1. All hands are machines.
2. All machines are wheels.

Conclusions :

- I. All wheels are hands.
- II. All hands are wheels.

28. Statements :

1. Some buds are leaves.
2. Some leaves are red.

Conclusions :

- I. Some buds are red.
- II. Some leaves are not buds.

29. Statements :

1. Some stones are shells.
2. All shells are pearls.

Conclusions :

- I. Some stones are pearls.
- II. All pearls are shells.

30. Statements :

1. Brown is red and blue is green.
2. Green is pink and yellow is red.

Conclusions :

- I. Yellow is brown.
- II. Pink is blue.

31. Statements :

1. Merchants who do not own cars do not have bicycles either.
2. Those who do not have bicycles have tricycles.

Conclusions :

- I. Some merchants have only tricycles.
- II. No one has both, the car and the tricycles.

Directions (32 - 36) : A number arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the stages of arrangement :

- Input : 245, 316, 436, 519, 868, 710, 689
- Step I : 710, 316, 436, 519, 868, 245, 689
- Step II : 710, 316, 245, 519, 868, 436, 689
- Step III : 710, 316, 245, 436, 868, 519, 689
- Step IV : 710, 316, 245, 436, 519, 868, 689

Step IV is the last step of input.

32. If 655, 436, 764, 799, 977, 572, 333 is the input which of the following steps will be '333, 436, 572, 655, 977, 764, 799' ?

- (1) II
- (2) III
- (3) IV
- (4) I

33. How many steps will be required to get the final output from the following input ?

Input : 544, 653, 325, 688, 461, 231, 857

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

34. For the given input, which of the following will be third step ?

Input : 236, 522, 824, 765, 622, 463, 358

- (1) 522, 236, 765, 824, 622, 463, 358
- (2) 522, 622, 236, 824, 765, 463, 358
- (3) 522, 622, 236, 765, 824, 463, 358
- (4) 522, 622, 236, 463, 824, 765, 358

35. If following is the second step for an input, what will be the fourth step ?

Step II : 620, 415, 344, 537, 787, 634, 977

- (1) 620, 415, 344, 537, 634, 787, 977
- (2) 620, 415, 344, 634, 537, 787, 977
- (3) 620, 415, 344, 634, 787, 537, 977
- (4) Cannot be determined

36. Which of the following is the last step for the following input ?

Input : 473, 442, 735, 542, 367, 234, 549

- (1) 234, 442, 542, 473, 735, 367, 549
- (2) 234, 442, 542, 735, 473, 367, 549
- (3) 234, 442, 542, 473, 367, 735, 549
- (4) 234, 442, 542, 735, 367, 473, 549

Directions (37 - 41) : Read the following information carefully and answer the questions given below it :

(1) There is a group of six persons A, B, C, D, E and F in a family. They are Psychologist, Manager, Lawyer, Jeweller, Doctor and Engineer.

(2) The doctor is the grandfather of F, who is a Psychologist.

(3) The Manager D is married to A.
(4) C, the Jeweller, is married to the Lawyer.

(5) B is the mother of F and E.
(6) There are two married couples in the family.

(7) The Psychologist is a female while Engineer is a male.

37. What is the profession of E ?

- (1) Doctor
- (2) Engineer
- (3) Manager
- (4) Psychologist

38. How is A related to E?

- (1) Brother
- (2) Uncle
- (3) Father
- (4) Grandfather

39. How many male members are there in the family ?

- (1) One
- (2) Three
- (3) Four
- (4) Two

40. What is the profession of A?

- (1) Doctor
- (2) Lawyer
- (3) Jeweller
- (4) Manager

41. Which of the following is one of the pairs of couples in the family ?

- (1) AB
- (2) AC
- (3) AD
- (4) AE

42. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group ?

- (1) Papaya
- (2) Mango
- (3) Jackfruit
- (4) Watermelon

43. Three of the following four are similar in relation to their position in the England alphabet and hence form a group. Which one does not belong to that group ?

- (1) SPEAK : PZVKH
- (2) HUSKY : BPGFS
- (3) BRAIN : MRZIY
- (4) BREAK : PZVIY

44. Three of the following four groups of letters are alike in some way while one is different. Find out which one is different ?

- (1) DJWR
- (2) EKXR
- (3) KQDX
- (4) AGTN

45. Four groups of letters are given below. Three of them are alike in a certain way while one is different. Choose the odd one.

- (1) GWOURV
- (2) LZKMSU
- (3) SFXPMG
- (4) JOEHNP

46. Four pairs of words are given below out of which the words in all pairs *except* one, bear a certain common relationship. Choose the pair in which the words are differently related.

- (1) Watt : Power
- (2) Ampere : Current
- (3) Pascal : Pressure
- (4) Radian : Degree

47. Number of letters skipped in between adjacent letters of the series starting from behind are increased by one. Which of the following series observes this rule ?

- (1) ONLKJ (2) OMKIG
- (3) OMJFA (4) OIGDC

48. If the letters of the word "PROTECTION" which are at odd numbered position in the English alphabet are picked up and are arranged in alphabetical order from left and if they are now substituted by Z, Y, X and so on, beginning from left which letter will get substituted by X ?

- (1) E (2) O
- (3) T (4) I

49. How many pairs of letters are there in the word OPERATION in which the difference between them is the same as in the English alphabet ?

- (1) 3 (2) 5
- (3) 7 (4) 9

50. Arrange the given words in which they occur in the dictionary and then choose the correct sequence.

- 1. Dissipate 2. Dissuade
- 3. Disseminate 4. Distract
- 5. Dissociate 6. Dissect

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

51. The letters skipped in between the adjacent letters in the series are followed by equal space. Which of the following series observes this rule ?

- (1) SUXADF (2) RVZDFG
- (3) HKNGSW (4) RVZDHL

Directions (52 - 56). In a certain code, letters of English alphabet are coded as given for some words. The numeric code for each letters is given in bracket under coded form and corresponds to the letters in the word

in the same serial order, study the coded forms of the given words and find out the rules for their classification. Applying those rules find out the code for the words given in capital letters in the questions that follow :

Word	Coded Form			
ATE	(0)	(5)	(0)	
NONE	(5)	(25)	(5)	(25)
UNIT	(30)	(5)	(30)	(5)
PIN	(5)	(10)	(5)	
PAGE	(5)	(25)	(5)	(25)
OPEN	(30)	(5)	(30)	(5)
ONE	(0)	(5)	(0)	
CUT	(5)	(10)	(5)	
SEAT	(5)	(15)	(15)	(5)
DEEP	(5)	(20)	(20)	(5)

52. VINA
 (1) (5) (0) (5) (15)
 (2) (5) (25) (5) (25)
 (3) (5) (30) (5) (30)
 (4) (5) (10) (5) (30)

53. AGE
 (1) (0) (15) (0) (2) (15) (15) (15)
 (3) (0) (10) (10) (4) (0) (5) (0)

54. PEAR
 (1) (5) (15) (15) (5)
 (2) (5) (25) (5) (25)
 (3) (5) (10) (5) (10)
 (4) (5) (30) (5) (30)

55. TIN
 (1) (0) (5) (0) (2) (5) (0) (5)
 (3) (0) (10) (0) (4) (5) (10) (5)

56. UNIT
 (1) (5) (30) (5) (30)
 (2) (5) (10) (30) (10)
 (3) (30) (5) (30) (5)
 (4) (15) (10) (10) (15)

57. If the first and second digits in the sequence 7 9 8 4 5 3 6 7 8 3 4 5 are interchanged, also the third and fourth digits, the fifth and sixth digits and so on which digit would be the sixth counting from your right ?

- (1) 5 (2) 6
- (3) 7 (4) 8

58. The letters I, J, K, L, M, N, O, P, Q, R, S, T in their order are substituted by twelve numbers but not in that order. 3 is assigned to R. The difference between R and M is 7. The difference between K and M is 2. What number is assigned to K ?

- (1) 8 (2) 12
- (3) 7 (4) 11

59. Below are given six three-character numbers. The characters comprise of digits and letters. The letter stands for one less than its serial order in the English alphabet. What will be the middle character of the 3rd number when the numbers are arranged in the descending order ?

- 8G6, 3DJ, F4C, 7HB, 4E6, B8I
- (1) 7 (2) 8
- (3) 6 (4) 4

60. Which of the following will be the third digit of the fourth number after the following numbers are arranged in descending order after reversing the position of the digits within each number ?

- 645, 869, 458, 347, 981, 792
- (1) 4 (2) 6
- (3) 8 (4) 9

GENERAL AWARENESS

61. Which of the following stars lies nearest to our solar system ?

- (1) Barnard's Star
- (2) Sirius A
- (3) Alpha Centauri A
- (4) Proxima Centauri

62. Of the total water on the earth, fresh water reserves constitute approximately

- (1) 5.8% (2) 4.5%
- (3) 2.7% (4) 1.2%

63. The term 'Bishop' in sports is related to

- (1) Chess (2) Hockey
- (3) Badminton (4) Bridge

64. Yakshagan is the famous dance form of the State of

- (1) Orissa
- (2) Andhra Pradesh
- (3) Tamil Nadu
- (4) Karnataka

65. Balance of Payments means

- (1) difference between export and imports
- (2) balance is to be paid to the exporters
- (3) balance to be paid to the industrialists
- (4) balance coming in allocation of funds for States.

66. A light year is equivalent to about

- (1) 365 days
- (2) six million miles
- (3) six billion miles
- (4) six trillion miles

67. Denmark, Iceland, Norway, Sweden and Finland are together called
 (1) Slovakia
 (2) Scandinavia
 (3) Netherland
 (4) Australia
68. The device used for locating submerged objects under sea is
 (1) sonar (2) radar
 (3) laser (4) maser
69. Which article of the Constitution provides the Parliament the power of amend Constitution?
 (1) 376 (2) 370
 (3) 368 (4) 390
70. What is the name of the first successfully cloned deer?
 (1) Dawn (2) Deluxe
 (3) Demor (4) Dewey
71. The idea of motion pictures was propounded by
 (1) N.R. Flinsen
 (2) T.A. Edison
 (3) J.L. Baird
 (4) Berliner
72. In Greek mythology, Apollo is the god of which of the following?
 (1) Love (2) Peace
 (3) Prophecy (4) Medicine
73. NASA's new space telescope is
 (1) Wise (2) Rise
 (3) Barack (4) Telle
74. Bull fighting is the national game of
 (1) Italy (2) Poland
 (3) Spain (4) Sudan
75. In a rare recognition, the Government of Mauritius decides to introduce a book written by Uttarakhand Chief Minister Ramesh Pokhriyal Nishank in the School Syllabus of the island nation, what is the name of the book?
 (1) Sound of Hills
 (2) Sparsh Ganga
 (3) Heaven
 (4) Amrit
76. Who has been selected for the 'Niwano Peace Prize, 2010' for her contribution to the uplift of poor women in India?
 (1) Ela Bhatt
 (2) Jhumpa Lahiri
 (3) Punam Suri
 (4) Mandakni Apte

77. On which of the following dates in 2010 India and the United Kingdom signed a joint declaration for Civil Nuclear Cooperation?
 (1) February 28
 (2) February 21
 (3) February 11
 (4) February 4
78. The tax which the kings used to collect from the people in the Vedic period was called
 (1) Bali (2) Vidatha
 (3) Varman (4) Kara
79. The cells which are responsible for the production of antibodies are
 (1) red blood cells
 (2) neutrophils
 (3) lymphocytes
 (4) platelets
80. Correct expansion of the term 'http' in Internet address is
 (1) hybrid text transfer protocol
 (2) hyper text transfer protocol
 (3) higher transfer text protocol
 (4) higher text transfer protocol

ENGLISH LANGUAGE

Directions (81-85) : In the following questions, fill in the blanks with the appropriate phrase.

81. The shop boy forgot to _____ the counter after the guests left.
 (1) wipe off (2) wipe away
 (3) wipe at (4) wipe for
82. The meeting was _____ because the chairman was absent.
 (1) called at (2) called upon
 (3) called for (4) called off
83. He has _____ a lot of money for his old age.
 (1) put off (2) put aside
 (3) put across (4) put through
84. _____ this word in the dictionary.
 (1) Look up (2) Look on
 (3) Look at (4) Look down
85. He was not called for the interview as his application had been _____
 (1) turned out
 (2) turned down
 (3) turned away
 (4) turned off

Directions (86-90) : In the following questions choose the alternative which is opposite in meaning to the given word.

86. INVALID
 (1) healthy (2) strong
 (3) sound (4) deteriorating
87. MAGNANIMITY
 (1) disability (2) hypocrisy
 (3) meanness (4) miserliness
88. SUPERFICIAL
 (1) shallow (2) ~~deep~~
 (3) deep (4) artificial
89. MAR
 (1) transparent
 (2) covered
 (3) clear
 (4) make
90. MATERIAL
 (1) moral (2) ideal
 (3) spiritual (4) psychological

Directions (91-100) : In the following passage, some of the words have been left out. Read the passage carefully and try to understand what it is about. Then fill in the blanks with the alternatives given below the passage.

Barcelona is not one of the most beautiful cities in the world : it is a busy, noisy, money-making city. All the same, on a warm spring morning (91) are some fine places to spend a (92) hour or two. The Rambles, a tree-lined avenue as broad (93) as beautiful as any Paris boulevard, is magical (94) that time of the day, presenting a colourful symphony (95) flowers, sunlight and people. Andrews was (96) an international conference in Barcelona. (97) was the first time he had (98) to the city. Like most people he had (99) as lot about the Rambles and was (100) to go there.

91. (1) there (2) their
 (3) those (4) where
92. (1) busy (2) first
 (3) quiet (4) one
93. (1) but (2) and
 (3) or (4) so
94. (1) to (2) for
 (3) on (4) at
95. (1) to (2) of
 (3) with (4) among
96. (1) attending (2) visiting
 (3) reading (4) participating
97. (1) That (2) When
 (3) It (4) Which

98. (1) visited (2) been
(3) come (4) gone
99. (1) listened (2) seen
(3) looked (4) heard
100. (1) eager (2) wishing
(3) prepared (4) busy

Directions (101 - 105) : Read the following passage and answer the questions given after it :

In territorial animals it may be said that aggression that originally served the function of ensuring that the animal could compete with its neighbour in the struggle for food has now come to serve the function of putting a distance between itself and its neighbour. There can be no doubt that man is also a territorial animal. Even in circumstances so far removed from the primitive as contemporary Western civilization, the countryside is demarcated by fences and hedges many of which carry notices stating that 'trespassing will be prosecuted' and the 'entry of our houses by unauthorised persons is resented as much as the loss of any property with which they may abscond'.

On a national scale, the invasion of the homeland by an enemy evokes a more passionately aggressive response than does a battle with the same foe on territory which belongs to neither.

Like other animals man also reacts badly to overcrowding. Those of us who live in towns have learnt to accommodate ourselves to some degree to the kind of congestion which seems to be an inevitable sequel of urbanization; but the closer we are packed the more easily resentful of each other do we tend to become. It is probably on this account that many people find life in cities irritating and exhausting since they are compelled to control aggressive impulses which arise solely as a result of overcrowding. It is also probable that it is because of the wider spacing between individuals which is usual in the countryside that rural folks are less tense, more neighbourly and often better mannered than their urban counterparts.

101. According to the passage, the most obvious distinguishing mark of a territorial animal is
- (1) striving for food
(2) dislike of war
(3) interest in fighting
(4) resentment against intruders

102. 'an inevitable sequel to urbanization' here means
- (1) a final development of the overcrowding in cities
(2) an unavoidable result of the development of cities
(3) a necessary conclusion of the overcrowding in cities
(4) a logical by-product of town-planning

103. The writer suggests that city life is exhausting because it frequently forces people to
- (1) behave badly towards other people
(2) ward off would be trespassers
(3) keep aggressive urges in check
(4) compete more strongly for a living

104. According to the passage, the chief reason for regarding a man as an animal is that he
- (1) cannot control his aggressive behaviour
(2) behaves in a savage fashion towards others
(3) has failed to develop as a civilized being
(4) shares certain forms of animal behaviour

105. The main purpose of the passage is to
- (1) show modern man differs from the primitive man
(2) explain some of the behaviour of city dwellers
(3) show that town life is inferior to city life
(4) shares certain forms of animal behaviour

Directions (106 - 110) : In each of the following sentences four words or phrases have been given in **bold**. One **bold** part in each sentence is not acceptable in standard English. Pick up that part.

106. We were **already** (1)/ to leave for (2)/ the amusement park when our car **broke down** (3)/ and we were forced to postpone **our** (4)/ outing.
107. **Each** (1)/ one of the dogs in the show **require** (2)/ not only a **special diet** (3)/ **but** (4)/ a special treatment.

108. **There** (1)/ was so much (2)/ conversation **in back of me** (3)/ that I could **hardly** (4)/ hear his lecture.
109. **Despite of** (1)/ the pills **which** (2)/ are available, many people **still** (3)/ have trouble **sleeping** (4).
110. **They** (1)/ **are both** (2)/ excellent books **but** (3)/ this one is best (4).

Directions (111 - 115) : Fill in the blanks with appropriate words.

111. He is a specialist skin diseases.
- (1) into (2) to
(3) against (4) in
112. When she heard an explosion in the street, she to see the cause.
- (1) turn (2) turns
(3) turned (4) had turned
113. Although Dr. Singh had several assistants during his long investigation of Tumni Islands, the bulk of research was done by alone.
- (1) himself (2) he
(3) his (4) him
114. The ship with all its crew lost after the terrible storm.
- (1) were (2) has
(3) have (4) was
115. I believe that he will fail in the examination if he at this speed.
- (1) works (2) is working
(3) will work (4) was working

Directions (116 - 120) : In the following questions choose the alternative which best expresses the meaning of the given word.

116. ABSOLVE
- (1) absorb (2) agree
(3) acquit (4) abort
117. BEHEST
- (1) command (2) see
(3) attach (4) harm
118. ADHERE
- (1) accept (2) disguise
(3) fight (4) stick
119. FRAGMENT
- (1) smell (2) portion
(3) image (4) impression
120. ENDORSEMENT
- (1) imposition (2) endurance
(3) award (4) approval

98. (1) visited (2) been
(3) come (4) gone
99. (1) listened (2) seen
(3) looked (4) heard
100. (1) eager (2) wishing
(3) prepared (4) busy

Directions (101 - 105) : Read the following passage and answer the questions given after it :

In territorial animals it may be said that aggression that originally served the function of ensuring that the animal could compete with its neighbour in the struggle for food has now come to serve the function of putting a distance between itself and its neighbour. There can be no doubt that man is also a territorial animal. Even in circumstances so far removed from the primitive as contemporary Western civilization, the countryside is demarcated by fences and hedges many of which carry notices stating that 'trespassing will be prosecuted' and the 'entry of our houses by unauthorised persons is resented as much as the loss of any property with which they may abscond'.

On a national scale, the invasion of the homeland by an enemy evokes a more passionately aggressive response than does a battle with the same foe on territory which belongs to neither.

Like other animals man also reacts badly to overcrowding. Those of us who live in towns have learnt to accommodate ourselves to some degree to the kind of congestion which seems to be an inevitable sequel of urbanization; but the closer we are packed the more easily resentful of each other do we tend to become. It is probably on this account that many people find life in cities irritating and exhausting since they are compelled to control aggressive impulses which arise solely as a result of overcrowding. It is also probable that it is because of the wider spacing between individuals which is usual in the countryside that rural folks are less tense, more neighbourly and often better mannered than their urban counterparts.

101. According to the passage, the most obvious distinguishing mark of a territorial animal is
- (1) striving for food
(2) dislike of war
(3) interest in fighting
(4) resentment against intruders

102. 'an inevitable sequel to urbanization' here means
- (1) a final development of the overcrowding in cities
(2) an unavoidable result of the development of cities
(3) a necessary conclusion of the overcrowding in cities
(4) a logical by-product of town-planning

103. The writer suggests that city life is exhausting because it frequently forces people to
- (1) behave badly towards other people
(2) ward off would be trespassers
(3) keep aggressive urges in check
(4) compete more strongly for a living

104. According to the passage, the chief reason for regarding a man as an animal is that he
- (1) cannot control his aggressive behaviour
(2) behaves in a savage fashion towards others
(3) has failed to develop as a civilized being
(4) shares certain forms of animal behaviour

105. The main purpose of the passage is to
- (1) show modern man differs from the primitive man
(2) explain some of the behaviour of city dwellers
(3) show that town life is inferior to city life
(4) shares certain forms of animal behaviour

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- (1) smell (2) portion
(3) image (4) impression
120. ENDORSEMENT
- (1) imposition (2) endurance
(3) award (4) approval

139. The number $25^{64} \times 64^{25}$ is the square of a natural number n . The sum of digits of n is
 (1) 7 (2) 14
 (3) 21 (4) 28
140. The unit's digit of 13^{2003} is
 (1) 1 (2) 3
 (3) 7 (4) 9
141. Let x be the product of two numbers 3, 659, 893, 456, 789, 325, 678 and 342, 973, 489, 379, 256. The number of digits in x is
 (1) 32 (2) 34
 (3) 35 (4) 36
142. The number $(2^{48} - 1)$ is exactly divisible by two numbers between 60 and 70. The numbers are :
 (1) 63 and 65 (2) 63 and 67
 (3) 61 and 65 (4) 65 and 67
143. If $S = 1^2 - 2^2 + 3^2 - 4^2 + \dots + 199^2 - 200^2$, then the value of S is
 (1) 19900 (2) 20100
 (3) - 20100 (4) - 19900
144. Which of the following fractions has the smallest value ?
 (1) $\frac{250,384,765,412}{250,383,765,412}$
 (2) $\frac{250,385,765,412}{250,384,765,412}$
 (3) $\frac{250,386,765,412}{250,385,765,412}$
 (4) $\frac{250,387,765,412}{250,386,765,412}$
145. The six-digit number 5 A B B 7 A is a multiple of 33 for digits A and B. Which of the following could be possible value of $A + B$?
 (1) 8 (2) 9
 (3) 10 (4) 14
146. $\sqrt{6 - 4\sqrt{3} + \sqrt{16 - 8\sqrt{3}}}$ is equal to
 (1) $1 - \sqrt{3}$ (2) $\sqrt{3} - 1$
 (3) $2(2 - \sqrt{3})$ (4) $2(2 + \sqrt{3})$
147. The product of two 2-digit numbers is 2028 and their HCF is 13. The sum of the numbers is :

- (1) 65 (2) 78
 (3) 91 (4) 169
148. The expression
 $\frac{3}{4} + \frac{5}{36} + \frac{7}{144} + \dots + \frac{17}{5184} + \frac{19}{8100}$
 is equal to
 (1) 0.9 (2) 0.95
 (3) 0.99 (4) 1.91
149. Cost of a diamond varies directly as the square of its weight. A diamond broke into four pieces with their weights in the ratio 1 : 2 : 3 : 4. If the loss in the total value of the diamond was Rs. 70,000, the price of the original diamond was
 (1) Rs. 1,00,000
 (2) Rs. 1,40,000
 (3) Rs. 1,50,000
 (4) Rs. 1,75,000
150. Two candles having the same lengths are such that one burns out completely in 3 hours at a uniform rate and the other in 4 hours. At what time (P.M.) should both the candles be lighted together so that at 4 P.M., the length of one is twice the length of the other ?
 (1) 1 : 24 (2) 1 : 30
 (3) 1 : 36 (4) 1 : 42

ANSWERS

1. (1)	2. (1)	3. (4)	4. (3)
5. (1)	6. (3)	7. (4)	8. (3)
9. (3)	10. (1)	11. (2)	12. (4)
13. (1)	14. (1)	15. (4)	16. (4)
17. (3)	18. (2)	19. (3)	20. (4)
21. (4)	22. (4)	23. (1)	24. (1)
25. (1)	26. (3)	27. (2)	28. (4)
29. (1)	30. (4)	31. (3)	32. (2)
33. (1)	34. (3)	35. (2)	36. (1)
37. (2)	38. (4)	39. (2)	40. (1)
41. (3)	42. (4)	43. (2)	44. (1)
45. (3)	46. (4)	47. (3)	48. (4)
49. (4)	50. (1)	51. (4)	52. (2)
53. (4)	54. (1)	55. (4)	56. (3)
57. (3)	58. (2)	59. (4)	60. (2)
61. (4)	62. (3)	63. (1)	64. (4)
65. (1)	66. (4)	67. (2)	68. (1)
69. (3)	70. (4)	71. (2)	72. (2)
73. (1)	74. (3)	75. (2)	76. (1)

77. (3)	78. (2)	79. (3)	80. (2)
81. (2)	82. (4)	83. (2)	84. (1)
85. (2)	86. (1)	87. (3)	88. (3)
89. (4)	90. (3)	91. (1)	92. (3)
93. (2)	94. (4)	95. (2)	96. (1)
97. (1)	98. (4)	99. (4)	100. (1)
101. (4)	102. (3)	103. (3)	104. (1)
105. (2)	106. (1)	107. (2)	108. (3)
109. (1)	110. (4)	111. (4)	112. (3)
113. (4)	114. (4)	115. (1)	116. (3)
117. (1)	118. (4)	119. (2)	120. (4)
121. (1)	122. (3)	123. (1)	124. (2)
125. (2)	126. (2)	127. (4)	128. (2)
129. (4)	130. (2)	131. (1)	132. (3)
133. (1)	134. (3)	135. (2)	136. (1)
137. (2)	138. (3)	139. (2)	140. (3)
141. (2)	142. (1)	143. (3)	144. (4)
145. (2)	146. (2)	147. (3)	148. (3)
149. (1)	150. (3)		

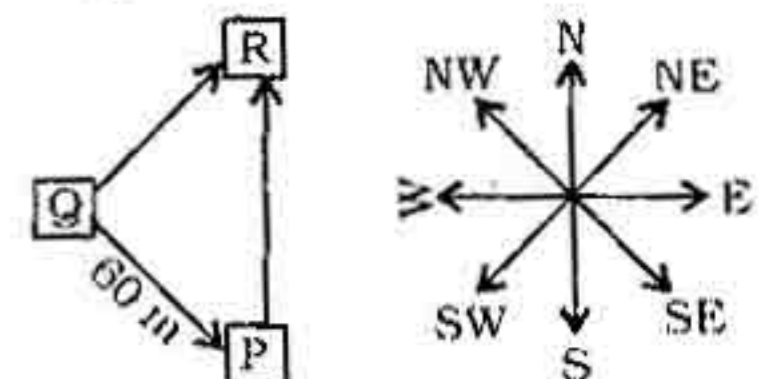
EXPLANATIONS

1. (1) $479 \Rightarrow 749$; $736 \Rightarrow 376$
 $895 \Rightarrow 985$; $978 \Rightarrow 798$
 $389 \Rightarrow 839$; $675 \Rightarrow 765$

Descending order of the numbers : $985 > 839 > 798 > 765 > 749 > 376$

Fifth number from right $\Rightarrow 839$

2. (1)



It is clear from the diagram that R is in north direction of P.

- (3-5) :

