

SBI-PO

MOCK TEST PAPER

- Attempt all the 200 questions
- There are 4 sections : Reasoning (50 Q), Quantitative Aptitude (50 Q), General Awareness and Computer (50Q), and English Language (50 Q).
- Each question carry one mark (0.25 negative marking or each wrong answer).

- Pattern of questions : MCQs
- Total marks : 200
- Duration of test : 2 Hours

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Reasoning (1 - 50)

1. In a certain code GEAR is written as '5934' and RIPE is written as '4869'. How is PAGE written in that code?

- (1) 6359
- (2) 6539
- (3) 4359
- (4) 6459
- (5) None of these

Questions (2 - 6) : What approximate value will come in place of question mark (?) in the following questions (You are not expected to calculate the exact value).

2. $\sqrt{2498} \times \sqrt{625} \div \sqrt{99} = ?$

- (1) 110
- (2) 90
- (3) 200
- (4) 160
- (5) 125

3. $\left(\frac{24}{9}\right)^2 \times \frac{399}{39} \div \frac{41}{899} = ?$

- (1) 1600
- (2) 1650
- (3) 1700
- (4) 1550
- (5) 1750

4. 67.99% of 1401 – 13.99% of 1299 = ?

- (1) 700
- (2) 720
- (3) 770
- (4) 800
- (5) 740

5. $\frac{601}{49} \times \frac{399}{81} \div \frac{29}{201} = ?$

- (1) 201
- (2) 29
- (3) 81
- (4) 399
- (5) 420

6. $441.01 - 232.99 + 1649.99 = ? + 1225.92$

- (1) 600
- (2) 630
- (3) 660
- (4) 690
- (5) 720

7. How many such letters are there in the word each of which is as far away from the beginning of the word as when they are arranged in alphabetical order?

- (1) None
- (2) One

- (3) Two
- (4) Three
- (5) None of these
8. The probability that a leap year selected at random contains either 53 Sundays or 53 Mondays is
- (1) $\frac{2}{7}$
- (2) $\frac{4}{7}$
- (3) $\frac{3}{7}$
- (4) $\frac{1}{7}$
- (5) None of these
9. A father's age is three times the sum of the ages of his two children, but 20 years hence his age will be equal to the sum of their ages. Then the father's age is
- (1) 35 years
- (2) 40 years
- (3) 45 years
- (4) 30 years
- (5) 20 years
10. A direction pole was situated on the crossing. Due to an accident the pole turned in such a manner that the pointer which was showing East, Started showing South. One traveller went to the wrong direction thinking it to be west. In what direction actually he was travelling?
- (1) North

- (2) South
- (3) East
- (4) West
- (5) None of these

11. Here are some words translated from an artificial language.

Gorbl flur means fan belt

Pixn gorbl means ceiling fan

Arth tustl means tile roof

Which word could mean "ceiling tile"?

- (1) gorbl tustl
- (2) flur gorbl
- (3) arth flur
- (4) pixn arth
- (5) gorbl arth

12. Here are some words translated from an artificial language.

moolokarn means blue sky

wilkospadi means bicycle race

moolowilko means blue bicycle

Which word could mean "racecar"?

- (1) wilkozwet
- (2) spadiwilko
- (3) moolobreil

(4) spadivolo

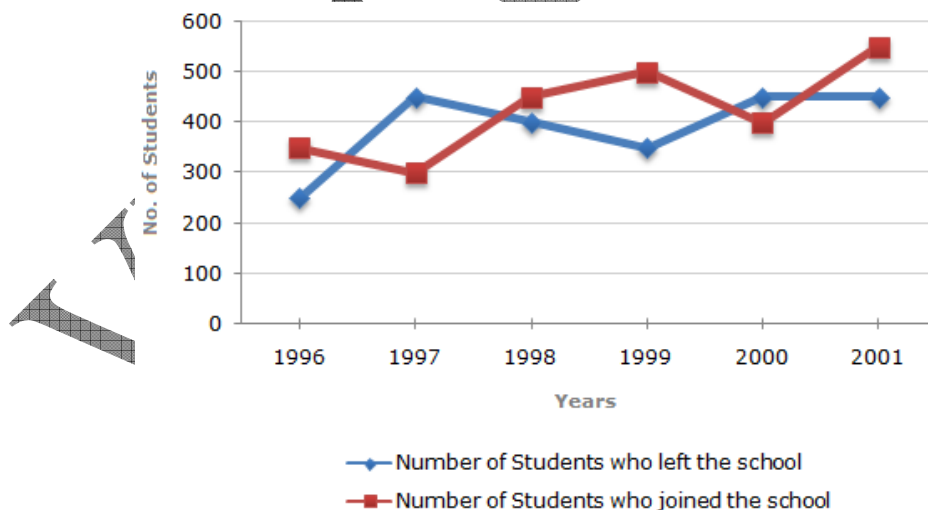
(5) moolospadi

13. One New York publisher has estimated that 50,000 to 60,000 people in the United States want an anthology that includes the complete works of William Shakespear. and what accounts for this renewed interest in Shakespeare. As scholars point out, his psychological insights into both male and female characters are amazing even today.

This paragraph best supports the statement that

- (1) Shakespeare's characters are more interesting than fictional characters today.
 (2) people even today are interested in Shakespeare's work because of the characters.
 (3) academic scholars are putting together an anthology of Shakespeare's work.
 (4) New Yorkers have a renewed interested in the work of Shakespeare.
 (5) Shakespeare was a psychiatrist as well as a playwright.
14. Study the following line graph which gives the number of students who joined and left the school in the beginning of year for six years, from 1996 to 2001.

Initial Strength of school in 1995 = 3000

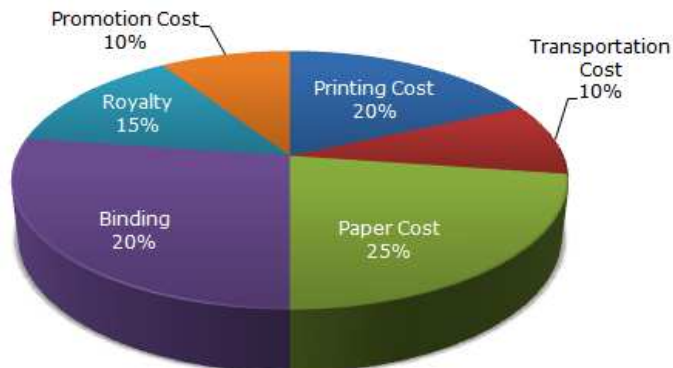


For which year, the percentage rise/fall in the number of students who left the school compared to the previous year is maximum?

- (1) 1997
- (2) 1998
- (3) 1999
- (4) 2000
- (5) None of these

15. The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?

- (1) Rs. 19,450
- (2) Rs. 21,200
- (3) Rs. 22,950
- (4) Rs. 26,150
- (5) None of these

Directions:(16 - 17)In each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer

- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

16. In which year was Rahul born ?

Statements:

- (I). Rahul at present is 25 years younger to his mother.
- (II). Rahul's brother, who was born in 1964, is 35 years younger to his mother.

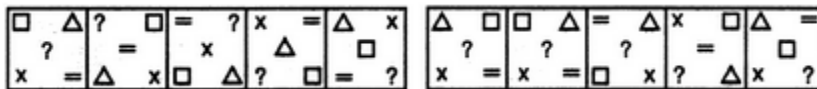
17. What will be the total weight of 10 poles, if each of them is of same weight?

Statements:

- (I). One-fourth of the weight of each pole is 5 kg.
- (II). The total weight of three poles is 20 kilograms more than the total weight of two poles.

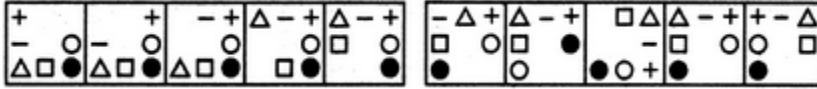
Direction:-(18 -23)Each of the following questions consists of five figures marked A, B, C, D and E called the Problem Figures followed by five other figures marked 1, 2, 3, 4 and 5 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

18. Problem Figures: Answer Figures:



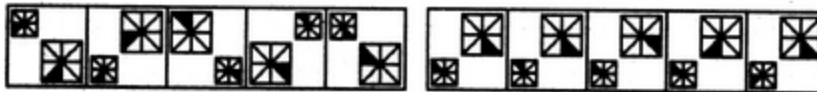
- (1) (2) (3) (4) (5)
- (1) (2) (3) (4) (5)

19. Problem Figures: Answer Figures:



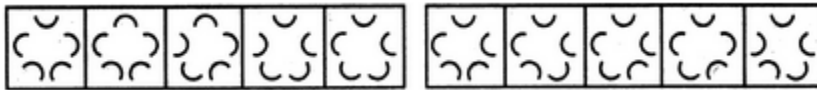
(1) (2) (3) (4) (5) (1) (2) (3) (4) (5)

20. Problem Figures: Answer Figures:



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

21. Problem Figures: Answer Figures:



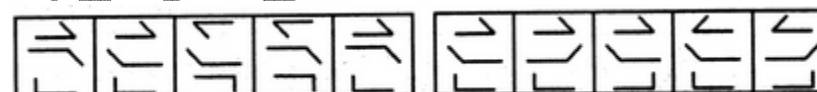
(1) (2) (3) (4) (5) (1) (2) (3) (4) (5)

22. Problem Figures: Answer Figures:



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

23. Problem Figures: Answer Figures:



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

24. Question: How many children are there between P and Q in a row of children ?

Statements:

- (I). P is fifteenth from the left in the row.
- (II). Q is exactly in the middle and there are ten children towards his right.
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

25. Question: How is T related to K?

Statements:

- (I). R's sister J has married T's brother L, who is the only son of his parents.
- (II). K is the only daughter of L and J.
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

26. Question: How is J related to P ?

Statements:

- (I). M is brother of P and T is sister of P.
- (II). P's mother is married to J's husband who has one son and two daughters.
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient

- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

27. Question: How is X related to Y ?

Statements:

- (I). Y and Z are children of D who is wife of X.
- (II). R's sister X is married to Y's father.

- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

28. Question: Who is to the immediate right of P among five persons P, Q, R, S and T facing North ?

Statements:

- (I). R is third to the left of Q and P is second to the right of R.
- (II). Q is to the immediate left of T who is second to the right of P.

- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

29. Question: How is X related to Y?

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Statements:

- (I). Y says, "I have only one brother".
- (II). X says, "I have only one sister".
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

30. Question: How is F related to P?

Statements:

- (I). P has two sisters M and N.
- (II). F's mother is sister of M's father.
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

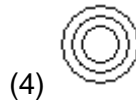
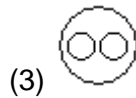
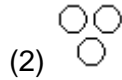
31. Question: How many children are there in the row of children facing North ?

Statements:

- (I). Vishakha who is fifth from the left end is eighth to the left of Ashish who is twelfth from the right end.
- (II). Rohit is fifth to the left of Nisha who is seventh from the right end and eighteenth from the left end.

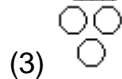
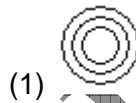
- (1) I alone is sufficient while II alone is not sufficient
- (2) II alone is sufficient while I alone is not sufficient
- (3) Either I or II is sufficient
- (4) Neither I nor II is sufficient
- (5) Both I and II are sufficient

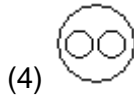
32. Which of the following diagrams indicates the best relation between Bulb, Lamp and Light ?



(5) None of these

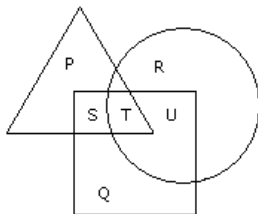
33. Which of the following diagrams indicates the best relation between Lion, Dog and Snake ?





(5) None of these

34. In the figure given below, square represents doctors, triangle represents ladies and circle represents surgeon. By which letter the ladies who are doctor and surgeon both are represented ?



(1) U

(2) T

(3) S

(4) P

(5) R

35. Exercise is to gym as eating is to

(1) food

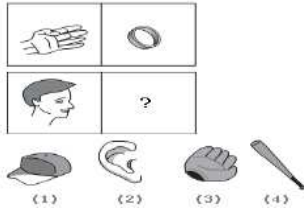
(2) dieting

(3) fitness

(4) restaurant

(5) None of these

36. Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related



- (1)1
- (2)2
- (3)3
- (4)4
- (5) None of these

37. Peacock : India :: Bear : ? .

- (1)Australia
- (2)America
- (3)Russia
- (4)England
- (5)None of these

38. REASON : SFBTPO :: THINK : ? .

- (1)SGHMJ
- (2)UIJOL
- (3)UHNKI
- (4)UJKPM
- (5)JOLUI

39. Carbon : Diamond :: Corundum : ? .

- (1)Garnet

- (2) Ruby
- (3) Pukhraj
- (4) Pearl
- (5) Emerald

40. South : North-West :: West : ?

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

41. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



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

42. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



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

43. ARMY:LOGISTICS

(1)business:strategy

(2)soldier:students

(3)war:logic

(4)team:individual

(5)None of these

44. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali?

(1)Brother

(2)Uncle

(3)Son

(4) Son-in-law

(5)Data is inadequate

45. Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak?

(1)Father

(2)Grandfather

(3)Uncle

(4)Brother-in-law

(5) Son

46. If A \$ B means A is the brother of B; A @ B means A is the wife of B; A # B means A is the daughter of B and A * B means A is the father of B, which of the following indicates that U is the father-in-law of P?

(1) P @ Q \$ T # U * W

(2) P @ W \$ Q * T # U

(3) P @ Q \$ W * T # U

(4) P @ Q \$ T # W * U

(5) P # Q @ T \$ W * U

47. Which word does NOT belong with the others?

(1) unimportant

(2) trivial

(3) insignificant

(4) familiar

(5) undistinguished

48. Which word does NOT belong with the others?

(1) mayor

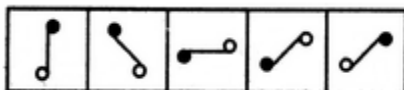
(2) lawyer

(3) governor

(4) senator

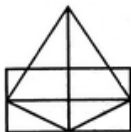
(5) legislator

49. Choose the figure which is different from the rest.



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

50. Find the number of triangles in the given figure



(1) 11

(2) 13

(3) 15

(4) 17

(5) 26

Quantitative Aptitude(51 - 100)

51. $\frac{989}{34} \div \frac{65}{869} \times \frac{515}{207} = ?$

(1) 840

(2) 920

(3) 970

(4) 780

(5) 1000

52. A man covers a distance of 160 km at 64 km/hr and next 160 km at 80 km/hr. What is his average speed for his whole journey of 520 km? (approx)

(1) 71 km/hr

(2) 73 km/hr

(3) 76 km/hr

(4) 68 km/hr

(5) 69 km/hr

Directions (53 to 57) – Study the information carefully to answer the questions that follow –

On the occasion of an opening ceremony of a sports events, in a stadium there are total of 600 players who are participating in four different events viz. athletics, table tennis, Kho-

Kho and lawn tennis. The ratio between male to female players is 11 : 4 respectively. 30% of the female out of total female players are participating in athletics. 10% of female players out of total female players are participating in table tennis. The remaining female players are participating in Kho-Kho and lawn tennis in the ratio of 1 : 3 respectively. The ratio of male players who are participating in athletics and other events together is 3 : 5 respectively. 4% of these male players who are not participating in athletics are participating in lawn tennis. Remaining male players are participating in table tennis and Kho-Kho in ratio of 5 : 3 respectively.

53. What is the ratio between the female players participating in lawn tennis to table tennis respectively?
- (1) 9 : 5
 - (2) 4 : 7
 - (3) 7 : 4
 - (4) 9 : 2
 - (5) 7 : 3
54. What is the difference between male players participating in kho kho and female players participating in lawn tennis?
- (1) 27
 - (2) 31
 - (3) 83
 - (4) 76
 - (5) None of these
55. What is the ratio between the male players participating in lawn tennis and female players participating in table tennis respectively?
- (1) 11 : 72

(2) 11 : 38

(3) 11 : 16

(4) 16 : 13

(5) 16 : 11

56. What is the total number of female players who are participating in athletics and Kho-Kho together?

(1) 68

(2) 72

(3) 58

(4) 67

(5) 65

57. What is the total number of players (Both males and females together) participating in table tennis and athletics together?

(1) 360

(2) 358

(3) 974

(4) 396

(5) None of these

58. In the series 2, 6, 18, 54, what will be the 8th term ?

(1) 4370

(2) 4374

(3) 7443

(4) 7434

(5) None of these

59. 198, 194, 185, 169, ?

(1) 92

(2) 112

(3) 136

(4) 144

(5) None of these

60. SCD, TEF, UGH, _____, WKL

(1) CMN

(2) UJI

(3) VIJ

(4) IJT

(5) None of these

61. Two cars start from the opposite places of a main road, 150 km apart. First car runs for 25 km and takes a right turn and then runs 15 km. It then turns left and then runs for another 25 km and then takes the direction back to reach the main road. In the mean time, due to minor break down the other car has run only 35 km along the main road. What would be the distance between two cars at this point?

(1) 65 km

(2) 75 km

(3) 80 km

(4) 85 km

(5) None of these

62. Look at this series: F2, __, D8, C16, B32, ... What number should fill the blank?
- (1) A16
 - (2) G4
 - (3) E4
 - (4) E3
 - (5) D4
63. Look at this series: 70, 71, 76, __, 81, 86, 70, 91, ... What number should fill the blank?
- (1) 70
 - (2) 71
 - (3) 80
 - (4) 96
 - (5) 78
64. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in :
- (1) 8 days
 - (2) 10 days
 - (3) 12 days
 - (4) 15 days
 - (5) None of these
65. B2CD, _____, BCD4, B5CD, BC6D
- (1) B2C2D
 - (2) BC3D

(3) B2C3D

(4) BCD7

(5) 7BCD

66. Odometer is to mileage as compass is to

(1) speed

(2) hiking

(3) needle

(4) direction

(5) acceleration

67. Marathon is to race as hibernation is to

(1) winter

(2) bear

(3) dream

(4) sleep

(5) cold

68. In a cricket team, the average age of eleven players is 28 years. What is the age of the captain?

I. The captain is eleven years older than the youngest player.

II. The average age of 10 players, other than the captain is 27.3 years.

III. Leaving aside the captain and the youngest player, the average ages of three groups of three players each are 25 years, 28 years and 30 years respectively.

(1) Any two of the three

(2) All I, II and III

(3) II only or I and III only

(4) II and III only

(5) None of these

69. 589654237, 89654237, 8965423, 965423, ?

(1)58965

(2)65423

(3)89654

(4)96542

(5) 66452

70. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three B Tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities C from A ?

(1)Rs. 4, Rs. 23

(2)Rs. 13, Rs. 17

(3)Rs. 15, Rs. 14

(4)Rs. 17, Rs. 13

(5) Rs. 23, Rs. 4

71. The effective annual rate of interest corresponding to a nominal rate of 6% per annum payable half-yearly is :

(1) 6.06%

(2) 6.07%

(3) 6.08%

(4) 6.09%

- (5) 6.05%
72. The difference between simple interest and compound on Rs. 1200 for one year at 10% per annum reckoned half-yearly is:
- (1) Rs. 2.50
 - (2) Rs. 3
 - (3) Rs. 3.75
 - (4) Rs. 4
 - (5) None of these
73. The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. The simple interest on the same sum for double the time at half the rate percent per annum is:
- (1) Rs. 400
 - (2) Rs. 500
 - (3) Rs. 600
 - (4) Rs. 800
 - (5) Rs. 200
74. Three number are in the ratio of 3 : 4 : 5 and their L.C.M. is 2400. Their H.C.F. is:
- (1) 40
 - (2) 80
 - (3) 120
 - (4) 200
 - (5) 260
75. The smallest number which when diminished by 7, is divisible 12, 16, 18, 21 and 28 is:
- (1) 1008

- (2) 1015
- (3) 1022
- (4) 1032
- (5) 1052

76. Which of the following fraction is the largest ?

- (1) $\frac{7}{8}$
- (2) $\frac{13}{16}$
- (3) $\frac{31}{40}$
- (4) $\frac{63}{80}$
- (5) $\frac{13}{80}$

Directions(Q-77 to 79) Find the odd man out.

77. 190, 166, 145, 128, 112, 100, 91

- (1) 100
- (2) 166
- (3) 145
- (4) 128
- (5) 112

78. 445, 221, 109, 46, 25, 11, 4

- (1) 221

(2) 106

(3) 46

(4) 25

(5) 11

79. 3, 5, 7, 12, 17, 19

(1) 19

(2) 17

(3) 5

(4) 12

(5) 7

80. A lent Rs. 5000 to B for 2 years and Rs. 3000 to C for 4 years on simple interest at the same rate of interest and received Rs. 2200 in all from both of them as interest. The rate of interest per annum is:

(1) 5%

(2) 7%

(3) $7\frac{1}{8}$

(4) 10%

(5) 19%

81. A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:

(1) Rs. 2000

(2) Rs. 10,000

- (3) Rs. 15,000
- (4) Rs. 20,000
- (5) Rs. 12,000
82. A person borrows Rs. 5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person at 6 p.a for 2 years. Find his gain in the transaction per year.
- (1) Rs. 112.50
- (2) Rs. 125
- (3) Rs. 150
- (4) Rs. 167.50
- (5) Rs. 225
83. In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hours for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for ?
- (1) 160
- (2) 175
- (3) 180
- (4) 195
- (5) 200
84. A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:
- (1) 22
- (2) 23
- (3) 24

(4) 26

(5) 27

85. One-third of Rahul's savings in National Savings Certificate is equal to one-half of his savings in Public Provident Fund. If he has Rs. 1,50,000 as total savings, how much has he saved in Public Provident Fund ?

(1) Rs. 30,000

(2) Rs. 50,000

(3) Rs. 60,000

(4) Rs. 90,000

(5) Rs. 40,000

86. Which of the following is not a leap year?

(1) 700

(2) 800

(3) 1200

(4) 2000

(5) 2020

87. January 1, 2008 is Tuesday. What day of the week lies on Jan 1, 2009?

(1) Monday

(2) Wednesday

(3) Thursday

(4) Sunday

(5) Saturday

88. The calendar for the year 2007 will be the same for the year:

(1) 2014

(2) 2016

(3) 2017

(4) 2018

(5) 2019

89. A man started a business investing Rs. 70,000. Rakhi joined him after six months with an amount of Rs. 1,05,000 and Sagar joined them with Rs. 1.4 lakhs after another six months. The amount of profit earned should be distributed in what ratio among Aman, Rakhi and Sagar respectively, 3 years after Aman started the business?

(1) 7 : 6 : 10

(2) 12 : 15 : 16

(3) 42 : 45 : 56

(4) 16:15:12

(5) Cannot be determined

90. A and B started a business in partnership investing Rs. 20,000 and Rs. 15,000 respectively. After six months, C joined them with Rs. 20,000. What will be B's share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?

(1) Rs. 7500

(2) Rs. 9000

(3) Rs. 9500

(4) Rs. 10,000

(5) Rs. 15,000

91. A began a business with Rs. 85,000. He was joined afterwards by B with Rs. 42,500. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1?
- (1) 4 Months
 - (2) 5 Months
 - (3) 6 Months
 - (4) 8 Months
 - (5) 12 Months
92. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:
- (1) 2700
 - (2) 2900
 - (3) 3000
 - (4) 3100
 - (5) 3300
93. Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.
- (1) Rs. 6876.10
 - (2) Rs. 6999.20
 - (3) Rs. 6654
 - (4) Rs. 7000
 - (5) None of these

94. Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?
- (1) 57%
- (2) 60%
- (3) 65%
- (4) 90%
- (5) 99%
95. Two trains are moving in opposite directions @ 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is:
- (1) 36
- (2) 45
- (3) 48
- (4) 49
- (5) 55
96. A goods train runs at the speed of 72 kmph and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?
- (1) 230 m
- (2) 240 m
- (3) 260 m
- (3) 270 m
- (5) 300 m
97. A train 360 m long is running at a speed of 45 km/hr. In what time will it pass a bridge 140 m long?

- (1) 40 sec
- (2) 42 sec
- (3) 45 sec
- (4) 48 sec
- (5) 50 sec

98. A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

- (1) 220 km
- (2) 224 km
- (3) 230 km
- (4) 234 km
- (5) 256 km

99. A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is:

- (1) 35.55 km/hr
- (2) 36 km/hr
- (3) 71.11 km/hr
- (3) 71 km/hr
- (5) 82 km/hr

100. In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is:

- (1) 5 kmph
- (2) 6 kmph

(3) 6.25 kmph

(4) 7.5 kmph

(5) 5.6 kmph

General Awareness and Computer (101 - 150)

101. Who got the Best Actress Award at IIFA 2013?

(1) Vidya Balan

(2) Deepika Padukone

(3) Priyanka Chopra

(4) Anushka Sharma

(5) None of the above

102 Who got the Best Actor Award at IIFA 2013?

(1) Hrithik Roshan

(2) Sharukh khan

(3) Varun Dhawan

(4) Ranbir Kapoor

(5) None of the above

103 Recently Russia launches European telecom satellite. Which of the following is true? (A)A Russian launched vehicle carrying an SES-6 telecommunications satellite lifted off from Kazakhstan's Baikonur space centre. (B)SES-6 will be the 54th satellite in SES' global fleet. (C)The satellite will enable the delivery of next generation broadcast services, including HD video distribution and mobile services, to customers.

(1) Only B

(2) Only B and C

- (3) Only A and B
- (4) Only A and C
- (5) All of the above

104. Which film won the best Feature Film award at SAARC Film Festival in Colombo?

- (1) Viky Donor
- (2) Paan Singh Tomar
- (3) Argo
- (4) Barfi
- (5) Agneepath

105. Pig disease virus detected in India for first time was detected in the state?

- (1) Punjab
- (2) Assam
- (3) Meghalya
- (4) Mizoram
- (5) Haryana

106. Recently Murray McCully arrived in Delhi on official visit. Who is Murray McCully?

- (1) New Zealand Foreign Minister
- (2) New Zealand PM
- (3) New Zealand President
- (4) New Zealand Ambassador
- (5) None of These

107. Jia Khan commits suicide recently at her residence in Juhu Mumbai, Who was Jia Khan?

- (1) Singer
- (2) Actress
- (3) Director
- (4) Composer
- (5) Choreographer

108. Which of the following is true? (A) World Environment Day ('WED') is celebrated every year on 5 June. (B) The theme for this year's World Environment Day celebrations is Think, Eat, Save. (C) Think, Eat, Save is an anti-food waste and food loss campaign that encourages you to reduce your food print.

- (1) Only A and C
- (2) Only A and B
- (3) Only B and C
- (4) All of These
- (5) None of these

109. NASA is on new mission to study the sun. Which of the following is true about this mission? (A) IRIS is a small satellite with the ability to perform complex solar observations. (B) IRIS is the abbreviation of The Interface Region Imaging Spectrograph. (C) NASA says IRIS will observe a range of temperatures from about 15,000 to 65,000 degrees Celsius.

- (1) Only A
- (2) Only B
- (3) Only C
- (4) Both A and B
- (5) All of these

110. Who is appointed as the National Security Adviser to Barack Obama?

- (1) Hun Sen
- (2) Tom Donilon
- (3) Susan Elizabeth Rice
- (4) Thomas Anderson
- (5) None of These

111. Recently who among the following has been appointed as the new Judge of the prestigious US court of Appeals?

- (1) Srikanth Srinivasan
- (2) Avinash Chander
- (3) Bobby Jindal
- (4) Sashi Kant Sharma
- (5) None of these

112. Recently Indo – Swiss Bilateral meeting was held, with the aim of giving further impetus to cooperation in the field of healthcare. A bilateral meeting was held in_____?

- (1) New Delhi
- (2) Geneva
- (3) Basel
- (4) Mumbai
- (5) None of these

113.first biomass project starts generation of power recently.

- (1) Punjab
- (2) Gujarat
- (3) Haryana

- (4) Goa
- (5) Rajasthan
114. Well known Telugu Jetti Veera Raghavulu passes away recently. He is a....
- (1) music director and playback singer
- (2) music Composer
- (3) music writer
- (4) Playback singer
- (5) None of these
115. Who is awarded posthumously by Venezuela journalism prize?
- (1) Margaret Thatcher
- (2) Mrinal Gore
- (3) Hugo Chavez
- (4) Jetti Veera Raghavulu
- (5) None of these
116. Which day is celebrated as Oceans Day in the World ?
- (1) 18th June
- (2) 18th July
- (3) 8th July
- (4) 8th June
- (5) 21st March
117. Which of the following is true about Scheme Roshini which is launched by Centre. (A) Centre launches skill development and job placement scheme 'Roshini' for rural youth and women in maoist that affected 24 districts in 9 states. (B) Union Rural Development Minister

Jairam Ramesh launched a placement linked skill development scheme in a bid to reach out to rural youth in Naxal-hit areas. (C)The new programme named "roshni" aims to train and provide placements to 50,000 rural men and women, mostly tribal's, in 24 worst affected districts.

- (1) Only B And C
- (2) Only A And B
- (3) Only A And C
- (4) All of the Above
- (5) None of the above

118. Canara Bank to open MSME branches to

- (1) Perambalur
- (2) Tiruchi
- (3) Trivenderam
- (4) Both 1 and 2
- (5) None of the above

119. "Dard-E-Dil Likhun Kab Tak" a book authored by Rukhsar Amrohvi was released by Hamid Ansari in Hindi and Urdu languages on

- (1) 5 June 2013
- (2) 6 June 2013
- (3) 7 June 2013
- (4) 8 June 2013
- (5) 9 June 2013

120. Rashtriya Swasthya Bima Yojna for BPL families is a popular Yojna of which State ?

- (1) Meghalya
- (2) Mizoram
- (3) Odissa
- (4) Assam
- (5) Calcutta

121. Country's highest Krishi Vigyan Kendra (KVK) will be set up at:

- (1) Goa
- (2) Jammu & Kashmir
- (3) Uttar Pradesh
- (4) New Delhi
- (5) Rajasthan

122. Recently which among the following organization approved a concessional loan of \$ 100 million for the National Housing Bank (NHB) for the implementation of a low income housing programme?

- (1) Govt. of India
- (2) RBI
- (3) World Bank
- (4) ADB
- (5) Canara Bank

123. Recently Union Cabinet has approved key changes to the National Rural Livelihoods Mission (NRLM), aiming to eradicate poverty in villages by empowering women and ensuring that they shall avail loans up to Rs. three lakh at an interest rate of ____ per cent per annum?

- (1) 5%

(2) 3%

(3) 6%

(4) 7%

(5) 10%

124. Who among the following has been appointed as the new Chief CBDT (Central Board of Direct Taxes)?

(1) Rishi Mathur

(2) Vivek Agarwal

(3) Poonam Saxena

(4) Sudha Sharma

(5) Surbhi Goyal

125. Recently Indian National Defence University (INDU) is being set up at ____?

(1) Gurgaon

(2) Pune

(3) Mumbai

(4) Lucknow

(5) Delhi

126. Recently Sajjan Singh Kothari was in news. He is a ____?

(1) Governor of Goa

(2) Governor of Uttarakhand

(3) New Lokayukta of Goa

(4) New Lokayukta of Rajasthan

(5) Governor of Bihar

127. Which among the following country has won the Sudirman Cup In Badminton?
- (1) Malaysia
 - (2) South Korea
 - (3) China
 - (4) India
 - (5) Australia
128. Recently first all women police station opens in which among the following state/Union Territory?
- (1) Arunachal Pradesh
 - (2) New Delhi
 - (3) Goa
 - (4) Rajasthan
 - (5) Mumbai
129. Indian Banks' Association (IBA) was formed on ...
- (1) 15 September 1945
 - (2) 26 September 1946
 - (3) 26 November 1946
 - (4) 15 August 1945
 - (5) 2 October 1950
130. Who is Re-Elected as the Chairman of Indian Banks' Association (IBA)?
- (1) Pratip Chaudhuri
 - (2) K R Kamath
 - (3) Thomas Mathew

(4) Rajendra Singh

(5) None of these

131. In MS-Dos 6.22, which part identifies the product uniquely?

(1) MS

(2) DOS

(3) Ms-DOS

(4) 6.22

(5) None of these

132. Slide show options available to the presenter include all of the following except

(1) Transitions command

(2) Speaker notes command

(3) Meeting minder command

(4) Navigation commands

(5) None of these

133. Mechanism developed to enforce users to enter data in required format is:-

(1) Data validation

(2) Input mask

(3) Criteria

(4) Data verification

(5) type checking

134. Which data structure is needed to convert infix notation to post fix notation?

(1) Branch

(2) Queue

(3) Tree

(4) Stack

(5) link list

135. A program that places programs into main memory and prepares them for execution-

(1) Linker

(2) Assembler

(3) Loader

(4) Absolute entity

(5) dynamic linker

136. IP addresses are converted to :-

(1) a binary string

(2) alphanumeric string

(3) a hierarchy of domain names

(4) a hexadecimal strings.

(5) a octal string

137. If you want to connect to your own computer through the Internet from another location, you can use

(1) e-mail

(2) FTP

(3) instant message

(4) Telnet

(5) DMS

- 138.** Mobile Commerce is best described as
- (1) The use of kiosks in marketing
 - (2) Transporting products
 - (3) Buying and selling goods/services through wireless handheld devices
 - (4) Using notebook PCs in marketing
 - (5) Data processing
- 139.** Floating point representation is used to store
- (1) Boolean values
 - (2) whole numbers
 - (3) real integers
 - (4) integers
 - (5) floats
- 140.** Video processors consist of _____ and _____, which store and process images.
- (1) CPU and VGA
 - (2) CPU and memory
 - (3) VGA and memory
 - (4) VGA and DVI
 - (5) MPEG and SMP
- 141.** _____ are words that a programming language has set aside for its own use.
- (1) Control words
 - (2) Control structures
 - (3) Reserved words

- (4) Reserved keys
- (5) Forward keys
142. What is the process of copying software programs from secondary storage media to the hard disk called?
- (1) Configuration
- (2) Download
- (3) Storage
- (4) Upload
- (5) Installation
143. When the pointer is positioned on a phrase like a hand, it represents.
- (1) Grammar error
- (2) Formatting error
- (3) Screen Tip
- (4) Spelling error
- (5) Hyperlink
144. Which of the following are advantages of CD-ROM as a storage media?
- (1) CD-ROM is an inexpensive way to store large amount of data and information.
- (2) CD-ROM disks retrieve data and information more quickly than magnetic disks do.
- (3) CD-ROMs make less errors than magnetic media.
- (4) CD-ROM are the fastest media then any other media.
- (5) CD-ROM use optical fiber technology.
145. A (n)_____ is a special visual and audio effect applied in Power point to text or content.
- (1) Animation

- (2) Flash
- (3) Wipe
- (4) Dissolve
- (5) Scope

146. Which of the following is a storage device that uses rigid, permanently installed magnetic disks to store data/ information?

- (1) floppy diskette
- (2) hard disk
- (3) permanent disk
- (4) optical disk
- (5) primary disk

147. The transformation that distorts the shape of the object such that the shape appears as if the object were composed of internal layer is:-

- (1) Scaling
- (2) Shearing
- (3) Rotation
- (4) Reflection
- (5) Sharing

148. Personal computers can be connected together to form a:-

- (1) Server
- (2) Supercomputer
- (3) Network
- (4) Enterprise

(5) Modem

149. To check whether changes in received information are due to transmission errors or maliciously introduced, which technique is used:-

(1) CRC

(2) Cryptographic hash functions

(3) Check sum

(4) Hamming codes

(5) Cyclic redundancy codes

150. A ----- is the term used when a search engine returns a Web page that matches the search criteria.

(1) blog

(2) hit

(3) link

(4) view

(5) success

English Language (151 - 200)

Directions (Q. 151 to 155) : Read the following passage and answer within its context.

TRIPS agreement provides a comprehensive set of global trade rules for the protection of copyright patents, trademarks, industrial designs, trade secrets, semiconductor lay out designs and geographical indications, that apply to all the member- countries irrespective of their levels of development, natural and human endowments and history. Every members-country has been asked by the WTO to amend its national patent law to conform to that universal globalised format for legislation relating to pharmaceutical, agrochemical, food, allow, etc. Under Article 65, the developed countries have been asked to change their laws

within another five years, and the less developed countries within an additional five years. The least developed countries have been asked to make those changes by 2005 AD. This attempt at global standardization and uniformity by way of TRIPs agreement is in conflict with the main trust of the Rio Earth Summit of 1992 that set out the conditions for sustainable development. These two reveal two contrasting types of international approaches and norms. While the 1992 Earth Summit and the 1993 Convention on Bio-Diversity (CBD) focused on 'diversity' as being fundamental to sustain life and development, TRIPs and WTO are pushing for 'conformity' to international standardized norms on patents, services, labour, investment and what not irrespective of their history, ecology, level of economic development, etc. But despite their diametrically opposed viewpoints, 170 countries signed CBD upholding the need for diversity, and 50 countries signed the TRIPs agreement in 1994 claiming the urgency of uniformity, with a very large element of common names (130) in both. The Convention on Bio-Diversity (CBD) in its Article, 16.5 specifically asserts the intellectual property right must not be in conflict with conservation and sustainable use of bio-diversity, a provision that has been totally ignored by those who composed the TRIPs agreements. While in case of agriculture the higher yield of patented products induces the farmers to switch from a more varied production pattern, the resulting narrowing of genetic base makes the economy and society more vulnerable to plant disease and epidemics. It is true that the move towards cultivation of a smaller number of higher yielding varieties and the uniform spread of the same variety over a large space predates the present debate on patent, particularly since the introduction of the green revolution technology in the mid-sixties, but there can be no doubt that the latter has brought about a qualitative change in the scenario and has created possibility of a vast quantitative change too in that direction. So far no attempt has been made to reconcile the two conflicting approaches of CBD and TRIPs. If diversity is so important for sustaining life, how can WTO demand conformity to standardized global formats?

151. The author points out that intellectual property rights and their administration mechanism is
- (1) throttling the interest of global bio-diversity.

(2) working to help sustain global bio-diversity.

(3) being sustained by global bio-diversity.

(4) what the global bio-diversity needs.

(5) None of these

152. Which of the following has not been said by the author in the passage?

(1) A high number of countries have signed both CBD and TRIPs two conflicting treaties.

(2) A narrow genetic base, if stuck to for long, is fraught with danger.

(3) Although a nondiscriminatory approach has been followed in the applicability of TRIPs, there has been a confessional attitude in prescribing a time frame for Transition, as per needs of the respective countries.

(4) The author is supportive of international conventions and treaties such as TRIPs, CBD, etc.

(5) None of these

153. Out of the countries that signed CBD, the percentage of those that signed the TRIPs also, is

(1) 76.5

(2) 74.5

(3) 78.5

(4) 80.2

(5) None of these

154. According to the author, a higher-yield seed variety is not always welcome as it also ultimately leads to

(1) diseases among the consumers

(2) disease among the plants

- (3) monopoly of developed countries
- (4) monopoly of developed cities.
- (5) None of these

155. As per the TRIPs agreement not much differentiation is made between a developed country such as the USA and an undeveloped country such as Sudan. This is

- (1) definitely true
- (2) probably true
- (3) probably false
- (4) definitely false
- (5) None of these

Questions 156 - 158 : Choose the word which is most nearly the SAME in meaning as the word given in the passage

156. Summit

- (1) Mountain
- (2) Acme
- (3) Least
- (4) Lower
- (5) None of these

157. Diametrical/diametric

- (1) Polar
- (2) Similar
- (3) Parallel
- (4) Various

(5) None of these

158. Revolution

(1) Stable

(2) Orthodox

(3) Gyration

(4) Modern

(5) None of these

Questions 159 - 160 : Choose the word/ group of words which is most OPPOSITE in meaning of the word given in the passage :

159. Reconcile

(1) Make up

(2) Disharmonize

(3) Patch up

(4) Harmonize

(5) None of these

160. Yielding

(1) Standing

(2) Shouting

(3) Cheating

(4) Ceding

(5) None of these

(Que 161-162) Fill the blank space by choosing appropriate option

161. Registering the letter will _____ its delivery.

- (1) Insure
- (2) Assure
- (3) Ensure
- (4) Sure
- (5) None of these

162. The violence did not even ___ her.

- (1) faze
- (2) phase
- (3) Face
- (4) Gaze
- (5) None of these

Directions (163-167) : In each of the following questions some parts of the sentences have been jumbled up. You are required to rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

163. If you had told me (P) I would not have given it to you (Q) that you had already (R) bought this books (S) as a birthday present :

- (1) Q R P S
- (2) P Q R S
- (3) S P Q R
- (4) S R Q P
- (5) None of these

- 164.** All precautionary measures were taken (P) to prevent the capture of booths (Q) during the election (R) by the Government (S), by the terrorists:
- (1) S P R Q
 - (2) Q S P R
 - (3) R P S Q
 - (4) R Q S P
 - (5) None of these
- 165.** The Government has assured the people that (P) in the Kargil operation (Q) who have sacrificed their lives (R) will be properly looked after (S) the families of all those soldiers :
- (1) P S R Q
 - (2) S Q P R
 - (3) S R Q P
 - (4) S P R Q
 - (5) None of these
- 166.** All though (P) collecting and storing up food (Q) the long warm summer days (R) and ant was very busy (S) for the winter :
- (1) S R Q P
 - (2) Q P S R
 - (3) Q R P S
 - (4) R S Q P
 - (5) None of these
- 167.** (P) Standing carelessly with his sword, (Q) the fat major (R) held horizontally behind him and with his legs far apart (S) looked after the receding horseman and laughed :

- (1) P Q S R
- (2) Q P R S
- (3) P Q R S
- (4) P R S Q
- (5) None of these

Directions :(168 - 172) In each of the following questions are given one or more blanks. Each question is followed by five choices, only one of which fits the blank(s) appropriately. That correct choice is your answer. If options (1), (2), (3) and (4) are not correct, your answer is (5). In case there is more than one blank, each answer choice has more than one filler which should fit the blanks in their respective order.

- 168.** The victorious army _____ through the fallen city.
- (1) attacked
 - (2) ran
 - (3) marched
 - (4) disturbed
 - (5) None of these
- 169.** His most striking is the enthusiasms which brings everything he does.
- (1) Factor
 - (2) Attitude
 - (3) Characteristic
 - (4) Character
 - (5) None of these
- 170.** Although Sadhana stays with that family, she is not..... to them.

- (1) Alike
- (2) Similar
- (3) Related
- (4) Indifferent
- (5) None of these

171. He does not like to be friendly with Sunil. He always gives her the cold.....

- (1) Push
- (2) Insult
- (3) Shoulder
- (4) Coffee
- (5) None of these

172. There is a/an..... to every rule.

- (1) Objection
- (2) Criticism
- (3) Caveat
- (4) Exception
- (5) None of these

Directions : (173 - 177) In each of the following questions an Idiomatic expression / Phrase has been given, followed by certain alternatives. Choose the alternative which best express the meaning of the given idiom / phrase. If options (1), (2), (3) and (4) are not correct your answer will be (5).

173. Beat a retreat :

- (1) to retire before the enemy

(2) to face the enemy

(3) to object

(4) feel greatly

(5) None of these

174. Be on the horns of a dilemma :

(1) of the first quality

(2) be very busy

(3) to have a choice between two things

(4) to choose between two goods

(5) None of these

175. At the eleventh hour :

(1) in danger

(2) just in time

(3) straight forward

(4) before time

(5) None of these

176. In the arms of Morpheus :

(1) sound asleep

(2) waking

(3) reprimand

(4) be submissive

(5) None of these

177. Call a spade:

- (1) Cordially
- (2) Speak diplomatically
- (3) to be outspoken
- (4) To call outrageously
- (5) None of these

Directions :(178 - 187) In the following passages you will find some blank spaces numbered 178 to 187. You are given a choice of four words marked (1), (2), (3), (4) and (5) against the numbers below the passage. Choose the best alternatives to fill the blank appropriately.

Passage 1

Even if looked at from totally different point of view, it is a fact that none but the (178) can thoroughly enjoy home. Travel and home are like (179) and rests, each of them (180) the other though it may appear (181) one of the greatest pleasures of travelling is return. The home abiding are like toads in a well. They have few (182) of any kind and have a (183) for all reforms and (184). Their mental horizon is so narrowed that while they see nothing good or (185) in the world abroad, they have an (186) pride or vanity regarding the absolute perfection of their own land. This (187) their material and moral progress.

178. (1) best
 (2) homely
 (3) family
 (4) wanderers
 (5) None of these
179. (1) leisure

- (2) exertion
- (3) stress
- (4) fatigue
- (5) None of these

- 180.** (1) contradicts
- (2) Compliments
 - (3) Opposes
 - (4) Complements
 - (5) None of these

- 181.** (1) paradoxical
- (2) Credulous
 - (3) Funny
 - (4) Ironic
 - (5) None of these

- 182.** (1) desire
- (2) Wishes
 - (3) Aspirations
 - (4) Dream
 - (5) None of these

- 183.** (1) fondness
- (2) Vision
 - (3) Hate

- (4) Dislike
- (5) None of these

- 184.** (1) innovations
- (2) Alleviation
 - (3) Change
 - (4) Policy
 - (5) None of these

- 185.** (1) inimitable
- (2) Impeccable
 - (3) Imitable
 - (4) Worse
 - (5) None of these

- 186.** (1) inordinate
- (2) Indeterminate
 - (3) Indescribable
 - (4) Extensive
 - (5) None of these

- 187.** (1) increases
- (2) Slumps
 - (3) Determines
 - (4) Retards
 - (5) None of these

Directions (188-190) : In the following questions some of the sentences have errors and some have none. Find out which part of sentence has an error.

188. He and / myself / went / to Simla / no error

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

189. Here is / a novel / please / read / no error

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

190. She / prides /on / her beauty / no error

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

Directions :- (Q. 191-195) In the following passage, the first and the last sentences of each passage are numbered S_1 and S_6 respectively. The rest of the passage is split into four parts and are marked P, Q, R and S. These four parts are not given in their proper order. Read the passage and find out which of the four combinations, marked (1), (2), (3) and (4) is correct.

191. S_1 : We are what our thoughts have made us.

S_6 : If good impressions prevail, the character becomes good, if bad, it becomes bad.

P : And so take care of what you think.

Q : Every man's character is determined by the sum total of these Impressions.

R : Every work we do, everything that we think, leaves an impression on the mind-stuff.

S : Thoughts live, they travel far.

(1) RQPS

(2) SPQR

(3) RQSP

(4) SPRQ

(5) None of these

192. S_1 : Many people believe that it is cruel to make use of animals for laboratory studies.

S_6 : It is in view of these facts that the government of India has banned the export of monkeys to America.

P : They point out that animals too have nervous system like us and can feel pain.

Q : These people, who have formed the Antivivisection society, have been pleading for a more humane treatment of animals by scientists.

R : Monkeys, mice, rabbits and other mammals are used in large numbers by scientists and many of them are made to suffer diseases artificially produced in them.

S : We can avoid such cruelty to animals if we use alternative methods such as tissue culture, gas chromatography and chemical techniques.

(1) QRSP

(2) QPRS

(3) PQRS

(4) PSQR

(5) None of these

193. S_1 : There are numerous kinds of superstitions in different parts of the country.

P : But people go on respecting on 'luck' — good or bad.

Q : Most of them have bearing on 'luck' good or bad.

R : Superstitions usually have their origin in fear and ignorance.

S : Nobody remembers now how a superstition first started in remote ages.

S_6 : A dog's howling predicts death — this is a typical superstition.

- (1) RSPQ
- (2) QPRS
- (3) QSPR
- (4) RSQP
- (5) None of these

194. S_1 : A spider's web, after a shower of rain, looks very beautiful.

S_6 : They are also feared because their bites may have unpleasant effects like a rash on the skin.

P : This explains partly why spiders are thoroughly disliked.

Q : But no poet has ever sung of the beauty of the spiders, for most spiders are not beautiful.

R : On the contrary, most of them are rather unattractive, if not ugly!

S : Poets have sung about the beauty of the spider's webs, comparing the water drops on them to ropes of pearls.

- (1) QSRP
- (2) SPQR
- (3) SQRP
- (4) QRSP
- (5) None of these

195. S_1 : Society in every country shapes itself out of its own initiative.

S_6 : And our Indian women are as capable of doing it as anyone in the world.

P : No one can or ought to do this for them.

Q : Our part of duty lies in imparting true education to all men and women in society.

R : Women must be put in a position to solve their problems in their own way.

S : It will not be then necessary to pull down or set up anything in society by coercion.

- (1) QSRP
- (2) QRSP
- (3) SRQP
- (4) SRPQ
- (5) None of these

Directions: (196-200)

Each sentence below has one or two blanks, each blank indicating that something has been omitted. Beneath the sentence are four lettered words or sets of words. Choose the word or set of words for each blank that best fits the meaning of the sentence as a whole.

196. He thinks that he is _____ to the washing powder. He has got this horrible _____ all over his back.
- (1) Rash, allergic
 - (2) Symptoms, allergic
 - (3) Symptoms, rash
 - (4) Allergic, rash
 - (5) None of these
197. It is believed by the researchers that there is an association of cardiovascular risk with women who have _____ occupations ; one such occupation is that of a receptionist, who often spends the entire day sitting at a desk.
- (1) Lackadaisical
 - (2) Inconspicuous

- (3) Sedentary
- (4) Debilitated
- (5) None of these

198. No act of _____ was more pronounced than her refusal of any rewards for her discovery.

- (1) Submission
- (2) Egoism
- (3) Abeyance
- (4) Abnegation
- (5) None of these

199. Life gives us the text in the first fifty years of life and then the next thirty supply the _____.

- (1) Bibliography
- (2) Title
- (3) Epitaph
- (4) Commentary
- (5) None of these

200. It is necessary for us to understand Jennifer's momentary _____ for she has _____ more strain and anxiety than any among us.

- (1) Outcry, described
- (2) Senility, understood
- (3) Vision, forgotten
- (4) Aberration, undergone
- (5) None of these

ANSWER KEY

Que	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Ans	1	3	1	3	2	4	4	3	4	2	4	2	2	1	2	1	4	3	4	4
Que	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Ans	3	1	2	4	3	1	3	4	2	1	4	1	1	1	3	4	1	2	3	1
Que	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Ans	1	4	4	2	4	1	2	4	4	3	1	2	3	1	3	4	4	4	2	4
Que	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Ans	2	3	4	4	1	4	3	1	2	2	4	1	2	4	3	3	4	3	3	4
Que	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Ans	3	2	5	1	1	2	2	3	2	2	1	4	1	2	1	2	1	3	2	1
Que	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Ans	3	1	1	3	2	3	2	2	3	3	3	4	1	3	2	1	4	4	2	4
Que	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Ans	4	3	4	3	1	1	4	2	4	3	4	3	1	3	1	4	3	4	4	4
Que	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Ans																				
Que	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
Ans	4	4	5	1	4	3	4	1	4	2	3	1	1	2	2	4	1	2	3	4
Que	241	242	243	244	245	246	247	248	249	250										
Ans	2	2	1	2	4	1	1	2	3	1										

HINTS AND SOLUTION

1.(1)

∴ PAGE ⇒ 6359

2.(5) $\sqrt{2498} \cong \sqrt{2500} = 50; \sqrt{625} = 25$

The equation will become

$$50 \times 25 \div 10 = 125$$

3. (1) $\left(\frac{24}{9}\right)^2 = \left(\frac{8}{3}\right)^2 = \frac{64}{9}; \frac{399}{39} \cong \frac{400}{40}$

∴ The equation will now become.

$$\frac{64}{9} \times \frac{400}{40} \div \frac{40}{900} = ?$$

$$\Rightarrow \frac{64}{9} \times \frac{400}{40} \div \frac{900}{40} = ?$$

$$\Rightarrow \frac{64}{9} \times \frac{10}{1} \times \frac{90}{4} = 1600$$

4.(3) $67.99\% \text{ of } 1401 \cong 68\% \text{ of } 1400 \text{ and } 13.99\% \text{ of } 1299 \cong 14\% \text{ of } 1300$

The equation will now become $68\% \text{ of } 1400 - 14\% \text{ of } 1300 = ?$

$$\frac{68}{100} \times 1400 - \frac{14}{100} \times 1300 = ?$$

$$14 \times (68 - 13) = 770$$

5.(5) $\frac{601}{49} \cong \frac{600}{50}; \frac{399}{81} \cong \frac{400}{80}; \frac{29}{201} \cong \frac{30}{210}$

Now the equation will become

$$\frac{600}{50} \times \frac{400}{80} \times \frac{30}{210} = ?$$

$$\Rightarrow \frac{600}{50} \times \frac{400}{80} \times \frac{210}{30} = ?$$

$$\Rightarrow 12 \times 5 \times 7 = 420$$

6.(2) $441.01 \approx 441$; $232.99 \approx 233$; $1649.99 \approx 1650$; $1225.92 \approx 1226$

∴ The equation will become

$$441 - 233 + 1650 = ? + 1226$$

$$= 1858 - 1226 = 632$$

The nearest value is 630

7.(3) The new order of letters of the given word after the rearrangement of the letters according to English alphabet is as follows :

A E I L N R T O

1 2 3 4 5 6 7 8

So, I and N are respectively the third and fifth letters in the word

O	R	I	E	N	T	A	L
1	2	3	4	5	6	7	8

As well as in the Alphabetical order.

Therefore, there are two such letters in the word 'ORIENTAL'

Another Way :

Position of letters in the given word	1 2 3 4 5 6 7 8
	O R I E N T A L
	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
Position of letters according to English alphabet	A E I L N R T O
	1 2 3 4 5 6 7 8

Therefore, there are two such letters in the word 'ORIENTAL'.

8.(2) Total number of days in a leap year = 366. It will contain 52 weeks and 2 days. These two days can be

(i) Sunday, Monday

(ii) Monday, Tuesday

- (iii) Tuesday, Wednesday (iv) Wednesday, Thursday
 (v) Thursday, Friday (vi) Friday, Saturday
 (vii) Saturday, Sunday

So, for 53 Sunday's probability = $\frac{2}{7}$

Similarly, for 53 Monday's probability = $\frac{2}{7}$

Therefore, Required Probability = $\frac{2}{7} + \frac{2}{7} = \frac{4}{7}$

9.(4) Let the sum of ages of his two children = x years.

Then, the age of the father = 3x years.

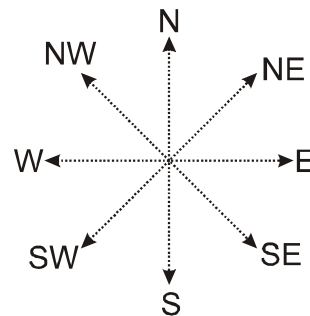
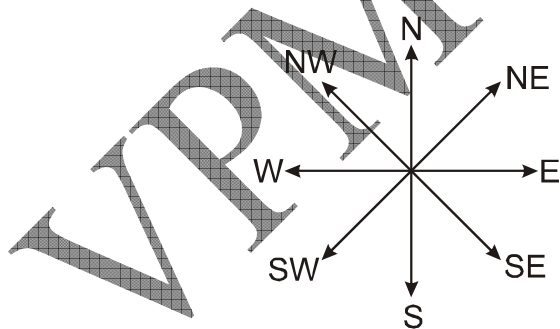
According to the question, $3x + 20 = x + 40$

or, $2x = 20$

or, $x = 10$

Therefore, the age of father = $3x = 3 \times 10$ years = 30 years.

10.(2) From the Fig., It is clear that when the pointer turns, East becomes South, North becomes East, West becomes North and South becomes West as shown in Fig. II.



(I) Basic direction diagram (ii) Changed positions of the pointer

Therefore, the traveller must be actually in the South thinking it is West.

- 11.(4) Gorbl means fan; flur means belt; pixn means ceiling; arth means tile; and tustl means roof. Therefore, pixn arth is the correct choice
- 12.(4) From wilkospadi, you can determine that wilko means bicycle and spadi means race. Therefore, the first part of the word that means racecar should begin with spadi. That limits your choices to 2 and 4. Choice 2, spadiwilko, is incorrect because we have already determined that wilkomeans bicycle. Therefore, the answer must be choice 4, spadivolo.
- 13.(2) The last sentence in the paragraph clearly gives support for the idea that the interest in Shakespeare is due to the development of his characters. Choice 1 is incorrect because the writer never make this type of comparison. Choice 3 is wrong because even though scholars are mentioned in the paragraph, there is no indication that the scholars are compiling the anthology. Choice 4 is wrong because there is no support to show that most New Yorkers are interested in this work. There is no support for choice 5 either.
- 14.(1) The percentage rise/fall in the number of students who left the school (compared to the previous year) during various years are:

$$\text{For 1997} = \left[\frac{(450 - 250)}{250} \times 100 \right] \% = 80\% \text{ (rise)}$$

$$\text{For 1998} = \left[\frac{(450 - 400)}{450} \times 100 \right] \% = 11.11\% \text{ (fall)}$$

$$\text{For 1999} = \left[\frac{(400 - 350)}{400} \times 100 \right] \% = 12.5\% \text{ (fall)}$$

$$\text{For 2000} = \left[\frac{(450 - 350)}{350} \times 100 \right] \% = 28.57\% \text{ (rise).}$$

$$\text{For 2001} = \left[\frac{(450 - 450)}{450} \times 100 \right] \% = 0\%.$$

Clearly, the maximum percentage rise/fall is for 1997.

- 15.(3) Let the amount of Royalty to be paid for these books be Rs. r.

$$\text{Then, } 20 : 15 = 30600 : r \Rightarrow r = \text{Rs} \left(\frac{30600 \times 15}{20} \right) = 22,950$$

16.(5) From both I and II, we find that Rahul is $(35 - 25) = 10$ years older than his brother, who was born in 1964. So, Rahul was born in 1954.

17.(3) From I, we conclude that weight of each pole = (4×5) kg = 20 kg.

So, total weight of 10 poles = (20×10) kg = 200 kg.

From II, we conclude that:

Weight of each pole = $(\text{weight of 3 poles}) - (\text{weight of 2 poles}) = 20$ kg.

So, total weight of 10 poles = (20×10) kg = 200 kg.


18.(2) In each step, the elements move in the sequence.

19.(4) In each step, the CW-end element moves to the ACW-end position.

20.(1) Both the larger and the smaller squares move to the adjacent corner ACW in each turn. Also, the shading in the smaller square moves 1, 2, 3, 4, 5, ... steps ACW sequentially and the shading in the larger square moves 1, 2, 3, 4, 5,.... steps CW sequentially.

21.(1) One, two, three, one, two, three.....arcs get inverted sequentially. This inversion takes place in an ACW direction.

22.(2) Similar figure reappears in every second step. Each time the first figure reappears, the

elements interchange positions in the order :  . And, each time the second figure

reappears, the elements interchange positions in the order : 

23.(1) In One step, the middle element rotates through 180° and in the next step, the other two elements rotate through 180° . The two steps are repeated alternately.

24.(5) From II, Q being in the middle, there are 10 children to his right as well as to his left. So, Q is 11th from the left. From I, P is 15th from the left.

Thus, from both I and II, we conclude that there are 3 children between P and Q.

25.(5) From I, we know that L is T's brother and J's husband. Since L is the only son of his parents, T is L's sister.

From II, we know that K is L's daughter.

Thus, from I and II, we conclude that T is the sister of K's father. T is K's aunt.

26.(2) From II, we know that P's mother is married to J's husband, which means that J is P's mother.

27.(3) From I, we conclude that Y is the child of D who is wife of X. X is Y's father.

From II, X is married to Y's father. This implies that X is Y's mother.

28.(3) From I, we have the order: R, P, Q.

From II, we have the order: P, Q, T.

Clearly, each one of the above two orders indicates that Q is to the immediate right of P.

29.(4) The statements in I and II do not provide any clue regarding relation between X and Y.

30.(5) is P's father. So, F is the child of the sister of P's father. F's mother is P's aunt or F is P's cousin.

31.(3) Since 8th to the left of 12th from the right is 20th from the right, so from I, we know that Vishakha is 5th from left and 20th from right. There are 4 children to the left and 19 to the right of Vishakha. So, there are $(4 + 1 + 19) = 24$ children in the row.

From II, Nisha is 7th from right and 18th from left end of the row.

So, there are $(6 + 1 + 17) = 24$ children in the row.

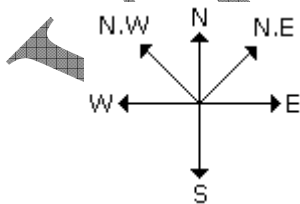
32.(3) Bulb and Lamp are different from each other but light is obtained from both.

33.(3) All the three are different from each other.

- 34.(2)** All the three coincide at point T. So T represents those ladies who are both doctor and surgeon.
- 35.(4)** A gym is a place where people exercise. A restaurant is a place where people eat. Food (choice a) is not the answer because it is something people eat, not a place or location where they eat. The answer is not choice b or c because neither represents a place where people eat.
- 36.(1)** Hand is to ring as head is to cap. A ring is worn on a person's hand; a cap is worn on a person's head
- 37.(3)** As Peacock is the national bird of India, similarly Bear is the national animal of Russia
- 38.(2)**

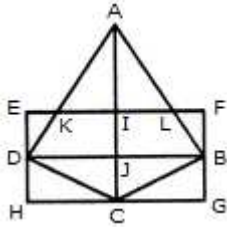
As	Similarly
R $\xrightarrow{+1}$ S	T $\xrightarrow{+1}$ U
E $\xrightarrow{+1}$ F	H $\xrightarrow{+1}$ I
A $\xrightarrow{+1}$ B	I $\xrightarrow{+1}$ J
S $\xrightarrow{+1}$ T	N $\xrightarrow{+1}$ O
O $\xrightarrow{+1}$ P	K $\xrightarrow{+1}$ L
N $\xrightarrow{+1}$ O	

- 39.(2)** As Diamond is made of Carbon similarly Ruby is made of Corundum.
- 40.(3)** As North-West is 135o clockwise from South in the same were North-East is 135o clockwise from the West.



- 41.(3)** The half-shaded leaf rotates 135°ACW and the unshaded leaf rotates 135°CW.

- 42.(1) The upper element is converted to an element similar to the lower elements and each one of the lower elements is converted to an element similar to the upper element.
- 43.(1) Strategies are made in business as logistics are made in army.
- 44.(1) The man in the photograph is son of Anjali's grandfather's son i.e., the son of Anjali's father. Hence, the boy is the brother of Anjali.
- 45.(3) Explanation:
Father of Deepak's daughter's father ? Deepak's father.
Hence, the person is the brother of Deepak's father.
Therefore, the person is the uncle of Deepak.
- 46.(1) P @ Q means P is the wife of Q
Q \$ T means Q is the brother of T
T # U means T is the daughter of U
Hence, Q is the son of U
U * W means U is the father of W.
Therefore, U is the father-in-law of P.
- 47.(4) The 1,2,3 and 5 are all synonyms.
- 48.(2) The mayor, governor, senator and legislator are all persons elected to government offices; the lawyer is not an elected official.
- 49.(3) All other figures can be rotated into each other.
- 50.(3) The figure may be labelled as shown.



The simplest triangles are AKI, AIL, EKD, LFB, DJC, BJC, DHC and BCG is 8 in number.

The triangles composed of two components each are AKL, ADJ, AKB and DBC is 4 in number.

The triangles composed of the three components each are ADC and ABC is 2 in number.

There is only one triangle is ADB composed of four components.

Thus, there are $8 + 4 + 2 + 1 = 15$ triangles in the figure.

51.(3) Given $\frac{989}{34} \div \frac{65}{869} \times \frac{515}{207} = ?$

Simply the expression

$$\begin{aligned} \therefore ? &= \frac{989}{34} \times \frac{869}{65} \times \frac{515}{207} \\ &= 30 \times 13 \times 2.5 \\ &= 970 \text{ (We have taken here approximate values in integers)} \end{aligned}$$

52.(1) Total time = $\frac{160}{64} + \frac{160}{80}$ $\left\{ t = \frac{d}{v} = \frac{\text{distance}}{\text{velocity}} \right\}$
 $= 4.5$ hours

Total distance = $160 + 160 = 320$ km

$$\therefore \text{Average speed} = \frac{\text{total distance}}{\text{total time}} = \frac{320}{4.5} = 71.11 \text{ km/hr}$$

53.(4) To solve such type of lengthy passage, write down all the given information in short. Which will be used for all 5 questions.

Here given –

No. of male players = 440

No. of female players = 160

	Male	Female
Athletics	165	48
Table tennis	165	16
Kho – Kho	99	24
Lawn tennis	11	72

$$\text{Required ratio} = \frac{\text{Lawn tennis (Female)}}{\text{table tennis (Female)}} = \frac{72}{16} = \frac{9}{2} = 9 : 2$$

54.(1) Required difference = Kho Kho (male) – Lawn tennis (F)

$$= 99 - 72$$

$$= 27$$

55.(3) Required ratio = $\frac{\text{Lawn tennis (male)}}{\text{Table tennis (female)}} = \frac{11}{16} = 11 : 16$

56.(2) Required number = Athletics (female) + Kho-Kho (F)

$$= 48 + 24$$

$$= 72$$

57.(5) Required number = Athletics (M) + Table tennis(M) + Athletics (F) + Table tennis (F)

$$= 165 + 165 + 48 + 16$$

$$= 394$$

58.(2) Clearly, $2 \times 3 = 6$, $6 \times 3 = 18$, $18 \times 3 = 54$,.....

So, the series is a G.P. in which $a = 2$, $r = 3$.

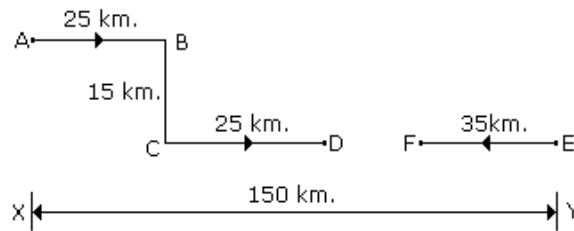
Therefore 8th term = $ar^{8-1} = ar^7 = 2 \times 3^7 = (2 \times 2187) = 4374$.

59.(4) The pattern is - 4, - 9, - 16,.....i.(5)- 22, - 32, - 42,.....

So, missing pattern = $169 - 52 = 169 - 25 = 144$.

60.(3) There are two alphabetical series here. The first series is with the first letters only: STUVW.
The second series involves the remaining letters: CD, EF, GH, IJ, KL.

61.(1)



$$\begin{aligned} \text{Required distance} &= DF \\ &= 150 - (25 + 25 + 35) \\ &= 150 - 85 \\ &= 65 \text{ km.} \end{aligned}$$

62.(3) The letters decrease by 1; the numbers are multiplied by 2. Therefore after D comes E and
Before 8 come 4.

63.(1) In this series, 5 is added to the previous number; the number 70 is inserted as every third number.

64.(3) $(A + B)$'s 1 day's work = $\left(\frac{1}{15} + \frac{1}{10}\right) = \frac{1}{6}$

Work done by A and B in 2 days = $\left(\frac{1}{6} \times 2\right) = \frac{1}{3}$

$$\text{Remaining work} = \left(1 - \frac{1}{3}\right) = \frac{2}{3}$$

Now, $\frac{1}{15}$ work is done by A in 1 day.

$$\frac{2}{3} \text{ work will be done by a in } \left(15 \times \frac{2}{3}\right) = 10 \text{ days.}$$

Hence, the total time taken = $(10 + 2) = 12$ days.

- 65.(2)** Because the letters are the same, concentrate on the number series, which is a simple 2, 3, 4, 5, 6 series, and follows each letter in order.
- 66.(4)** An odometer is an instrument used to measure mileage. A compass is an instrument used to determine direction. Choices a, b, and c are incorrect because none is an instrument.
- 67.(4)** A marathon is a long race and hibernation is a lengthy period of sleep. The answer is not choice a or b because even though a bear and winter are related to hibernation, neither completes the analogy. (Choice c) is incorrect because sleep and dream are not synonymous.
- 68.(3)** Total age of 11 players = (28×11) years = 308 years.
- I. $C = Y + 11$ $C - Y = 11$ (i)
- II. Total age of 10 players (excluding captain) = (27.3×10) years = 273 years.
Age of captain = $(308 - 273)$ years = 35 years.
Thus, $C = 35$ (ii)
- From (i) and (ii), we get $Y = 24$
- III. Total age of 9 players = $[(25 \times 3) + (28 \times 3) + (30 \times 3)]$ years = 249 years.
 $C + Y = (308 - 249) = 59$ (iii)
- From (i) and (iii), we get $C = 35$.

Thus, II alone gives the answer.

Also, I and III together give the answer.

Correct answer is (3).

69.(4) The digits are removed one by one from the beginning and the end in order alternately so as to obtain the subsequent terms of the series.

70.(2) Let Rs. x be the fare of city B from city A and Rs. y be the fare of city C from city A.

Then, $2x + 3y = 77$... (i) and

$3x + 2y = 73$... (ii)

Multiplying (i) by 3 and (ii) by 2 and subtracting, we get: $5y = 85$ or $y = 17$.

Putting $y = 17$ in (i), we get: $x = 13$.

71.(4) Amount of Rs. 100 for 1 year when compounded half-yearly } = Rs. $\left[1 + \frac{3}{100}\right]^2 =$ Rs. 106.09

\therefore Effective rate = $(106.09 - 100)\% = 6.09\%$

72.(2) S.I. = Rs. $\left(\frac{1200 \times 10 \times 1}{100}\right) =$ Rs. 120.

C.I. = Rs. $\left[1200 \times \left(1 + \frac{5}{100}\right)^2 - 1200\right] =$ Rs. 123.

\therefore Difference = Rs. $(123 - 120) =$ Rs. 3.

73.(2) Let the sum be Rs. P .

Then, $\left[P \left(1 + \frac{10}{100}\right)^2 - P\right] = 525$

$\Rightarrow P \left[\left(\frac{11}{10}\right)^2 - 1\right] = 525$

$$\Rightarrow P = \left(\frac{525 \times 100}{21} \right) = 2500$$

\therefore Sum = Rs. 2500.

$$\text{So, S.I.} = \text{Rs.} \left(\frac{2500 \times 5 \times 4}{100} \right) = \text{Rs.} 500$$

74.(1) Let the numbers be $3x$, $4x$ and $5x$.

Then, their L.C.M. = $60x$.

So, $60x = 2400$ or $x = 40$.

The numbers are (3×40) , (4×40) and (5×40) .

Hence, required H.C.F. = 40.

75. (2) Required number = (L.C.M. of 12, 16, 18, 21, 28) + 7

$$= 1008 + 7$$

$$= 1015$$

76.(1) L.C.M. of 8, 16, 40 and 80 = 80.

$$\frac{7}{8} = \frac{70}{80}, \frac{13}{16} = \frac{65}{80}, \frac{31}{40} = \frac{62}{80}$$

Since, $\frac{70}{80} > \frac{65}{80} > \frac{63}{80} > \frac{62}{80} > \frac{13}{80}$, so $\frac{7}{8} > \frac{13}{16} > \frac{63}{80} > \frac{31}{40} > \frac{13}{80}$

So, $\frac{7}{8}$ is the largest.

77.(4) Go on subtracting 24, 21, 18, 15, 12, 9 from the numbers to get the next number.

$$190 - 24 = 166$$

$$166 - 21 = 145$$

$$145 - 18 = 127 \text{ [Here, 128 is placed instead of 127]}$$

$$127 - 15 = 112$$

$$112 - 12 = 100 \dots \text{and so on.}$$

Therefore, 128 is wrong.

78.(3) Go on subtracting 3 and dividing the result by 2 to obtain the next number.

Clearly, 46 is wrong.

79.(4) Each of the numbers is a prime number except 12.

80.(4) Let the rate be R% p.a.

$$\text{Then, } \left(\frac{5000 \times R \times 2}{100} \right) + \left(\frac{5000 \times R \times 4}{100} \right) = 2200.$$

$$\Rightarrow 100R + 120R = 2200$$

$$\Rightarrow 220R = 2200$$

$$\Rightarrow R = 10\%$$

81.(3) Principal = Rs. $\frac{100 \times 5400}{12 \times 3} = \text{Rs. } 15,000$

82. (1) Gain in 2 years = Rs. $\left[\left(5000 \times \frac{25}{4} \times \frac{2}{100} \right) \cdot \left(\frac{5000 \times 4 \times 2}{100} \right) \right]$

$$= \text{Rs. } (625 - 400)$$

$$= \text{Rs. } 225.$$

$$\therefore \text{Gain in 1 year} = \text{Rs. } 225 = \text{Rs. } 112.50$$

83.(2) Suppose the man works overtime for x hours.

$$\text{Now, working hours in 4 weeks} = (5 \times 8 \times 4) = 160.$$

$$160 \times 2.40 + x \times 3.20 = 432$$

$$3.20x = 432 - 384 = 48$$

$$x = 15.$$

Hence, total hours of work = $(160 + 15) = 175$.

84.(4) Let the number of hens be x and the number of cows be y .

$$\text{Then, } x + y = 48 \dots (i)$$

$$\text{and } 2x + 4y = 140 \quad x + 2y = 70 \dots (ii)$$

Solving (i) and (ii) we get: $x = 26, y = 22$.

The required answer = 26.

85.(3) Let savings in N.S.C and P.P.F. be Rs. x and Rs. $(150000 - x)$ respectively. Then,

$$\frac{1}{3} \times \frac{1}{2} (150000 - x)$$

$$\Rightarrow \frac{x}{3} + \frac{x}{2} = 75000$$

$$\Rightarrow \frac{5x}{6} = 75000$$

$$\Rightarrow \frac{75000 \times 6}{5} = 90000$$

Savings in Public Provident Fund = Rs. $(150000 - 90000) = \text{Rs. } 60000$

86.(1) The century divisible by 400 is a leap year.

The year 700 is not a leap year.

87.(3) The year 2008 is a leap year. So, it has 2 odd days.

1st day of the year 2008 is Tuesday (Given)

So, 1st day of the year 2009 is 2 days beyond Tuesday.

Hence, it will be Thursday.

88.(4) Count the number of odd days from the year 2007 onwards to get the sum equal to 0 odd day.

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Odd day	1	2	1	1	1	2	1	1	1	2	1

Sum = 14 odd days 0 odd days.

Calendar for the year 2018 will be the same as for the year 2007.

89.(2) Aman : Rakhi : Sagar = $(70,000 \times 36) : (1,05,000 \times 30) : (1,40,000 \times 24) = 12 : 15 : 16$.

90.(1) A : B : C = $(20,000 \times 24) : (15,000 \times 24) : (20,000 \times 18) = 4 : 3 : 3$.

$$B's \text{ share} = \text{Rs.} \left(25000 \times \frac{3}{10} \right) = \text{Rs.} 7,500.$$

91.(4) Suppose B joined for x months. Then,

$$\text{Then, } \frac{85000 \times 12}{42500 \times x} = \frac{3}{1}$$

$$\Rightarrow x = \left(\frac{85000 \times 12}{42500 \times 5} \right) = 8.$$

So, B joined for 8 months.

92.(1) Number of valid votes = 80% of 7500 = 6000.

Valid votes polled by other candidate = 45% of 6000

$$\left(\frac{45}{100} \times 6000 \right) = 2700$$

93.(1) Rebate = 6% of Rs. 6650 = Rs. $\left(\frac{6}{100} \times 6650 \right)$ Rs. = 399.

$$\text{Sales tax} = \left(\frac{10}{100} \times 6251 \right) = \text{Rs. } 625.10 = \text{Rs. } 625.10$$

Final amount = Rs. $(6251 + 625.10) = \text{Rs. } 6876.10$

94.(1) Total number of votes polled = $(1136 + 7636 + 11628) = 20400$.

$$\text{Required percentage} \left(\frac{11628}{20400} \times 100 \right) \% = 57\%$$

95.(3) Relative speed = $(60 + 90)$ km/hr

$$= \left(150 \times \frac{5}{18} \right)_{\text{m/sec}}$$

$$= \left(\frac{125}{3} \right)_{\text{m/sec}}$$

Distance covered = $(1.10 + 0.9)$ km = 2 km = 2000 m.

$$\text{Required time} = \left(2000 \times \frac{3}{125} \right) = \text{sec} = 48 \text{ sec}$$

96.(4) $\left(72 \times \frac{5}{18} \right)_{\text{m/sec}} = 20 \text{ m/sec}$.

Time = 26 sec.

Let the length of the train be x metres.

$$\text{Then, } \frac{x + 250}{26} = 20$$

$$\Rightarrow x + 250 = 520$$

$$\Rightarrow x = 270.$$

97.(1) Formula for converting from km/hr to m/s: $X \text{ km/hr} = \left(X \times \frac{5}{18} \right) \text{ m/s}$.

$$\text{Therefore, Speed} = \left(45 \times \frac{5}{18} \right)_{\text{m/sec}} = \frac{25}{2} \text{ m/sec}$$

Total distance to be covered = $(360 + 140)$ m = 500 m.

Formula for finding Time = $\left(\frac{\text{Distance}}{\text{Speed}}\right)$

Required time = $\left(\frac{500 \times 2}{25}\right)_{\text{sec}} = 40 \text{ sec.}$

98.(2) $\frac{(1/2)x}{21} + \frac{(1/2)x}{24} = 10$

$\Rightarrow \frac{x}{21} + \frac{x}{24} = 20$

$\Rightarrow 15x = 168 \times 20$

$\left(\frac{168 \times 20}{15}\right) = 224 \text{ km.}$

99.(3) Total time taken = $\left(\frac{160}{64} + \frac{160}{80}\right)_{\text{hrs.}} = \frac{9}{2} \text{ hrs.}$

Average speed = $\left(320 \times \frac{2}{9}\right)_{\text{km/hr}} = 71.11 \text{ km/hr.}$

100.(1) Let Abhay's speed be x km/hr.

Then, $\frac{30}{x} - \frac{30}{2x} = 3$

$\Rightarrow 6x = 30$

$\Rightarrow x = 5 \text{ km/hr.}$

101.(1) Vidya Balan on 6 July 2013 got the Best Actress award at 14th IIFA (International Indian Film Academy) awards 2013 held in Macau for Kahaani.

102.(4) Ranbir Kapoor was named Best Actor for Barfi.

103.(4) SES-6 will be the 53rd satellite in SES' global fleet.

- 104.(2)** Indian film "Paan Singh Tomar" won the best Feature Film award for its fascinating plot and strong direction.
- 105.(4)** Pig disease virus was detected in India for the first time in Mizoram.
- 106.(1)** The visit is aimed at bolstering greater bilateral economic ties and to review progress on talks aimed at a Free Trade Agreement besides wooing Indian students to universities there.
- 107.(2)** Bollywood actor Jia Khan has allegedly committed suicide by hanging herself at her residence in Juhu, Mumbai.
- 108.(4)** World Environment Day ('WED') is celebrated every year on 5 June. The theme for this year's World Environment Day celebrations is Think, Eat, Save. Think, Eat, Save is an anti-food waste and food loss campaign that encourages you to reduce your food print.
- 109.(4)** NASA says IRIS will observe a range of temperatures from about 5,000 to 65,000 degrees Celsius, and up to about 10 million degrees Celsius during solar flares.
- 110.(3)** Susan Elizabeth Rice received one of the Glamour Magazine Women of the Year Awards in the year 2009.
- 111.(1)** The United States Senate appoint Srikanth Srinivasan as a Judge of the prestigious US Court of Appeals. It is the highest judicial appointment to an Indian-American. Born in Chandigarh, India, Sri spent nearly two decades as litigator before serving as Principal Deputy Solicitor General of the United States.
- 112.(2)** A bilateral meeting was held in World Health Assembly at Geneva. An MOU in the field of health is being signed to promote bilateral cooperation between the two countries.
- 113.(3)** The first 9.9 mega watt biomass project set up at village Khurawata of Mahendergarh district in Haryana at a cost of 68 crore rupees, has started power generation. The agricultural waste and biomass is being used in the plant to produce power.
- 114.(1)** Well known Telugu music director and playback singer Jetti Veera Raghavulu died in Rajahmundry. Raghavulu 82.

- 115.(3)** Hugo Chavez, former President of Venezuela, was posthumously awarded the Journalism prize after a unanimous vote. In a statement on Friday, The National Journalism Prize Foundation said that its jury voted unanimously to give Chavez the prize because he gave voice to "the oppressed of the world" and fought a "constant battle against media lies." Chavez lost his battle to cancer on March 5.
- 116.(4)** The theme for this year and 2014 is: Together we have the power to protect the ocean. In 2008, the United Nations General Assembly decided that 8th June would be devoted to oceans and will be designated as the 'World Oceans Day'.
- 117.(4)** Centre launches skill development and job placement scheme 'Roshini' for rural youth and women in Maoist-affected 24 districts in 9 states. Union Rural Development Minister Jairam Ramesh launched a placement-linked skill development scheme in a bid to reach out to rural youth in Naxal-hit areas. The new programme named "Roshini" aims to train and provide placements to 50,000 rural men and women, mostly tribals, in 24 worst-affected districts.
- 118.(4)** Canara Bank plans to open exclusive Micro, Small, and Medium Enterprises (MSME) branches in Tiruchirappalli and Perambalur soon.
- 119.(2)** "Dard-E-Dil Likhun Kab Tak" a book authored by Rukhsar Amrohvi was released by Hamid Ansari in Hindi and Urdu languages on 6 June 2013.
- 120.(4)** In Assam, BPL families are availing medical benefits under the Centre's Rashtriya Swasthya Bima Yojana, RSBY. The scheme is being implemented in 24 districts. Remaining 3 districts will also be covered soon. State Health Minister Dr. Himanta Biswa Sarma said that the new scheme will extend financial support to BPL families up to 5 thousand rupees for Radiological investigation like X-Ray, City Scan, MRI.
- 121.(2)** Country's highest Krishi Vigyan Kendra (KVK) will be set up at Nyoma, Leh district of Jammu and Kashmir at a height of about 14 thousand feet.
- 122.(3)** The World Bank has approved a concessional loan of \$ 100 million for the National Housing Bank (NHB) for the implementation of a low-income housing programme. This is for the first-

time ever that NHB is availing a line of credit from the World Bank. It will also mark the re-entry of the World Bank to the housing finance sector after a long time.

- 123.(4)** The Union Cabinet on May 1st, 2013 approved the provision of interest subvention for Women SHGs operating under the NRLM, ensuring that they shall avail loans up to Rs. three lakh at an interest rate of seven per cent per annum.
- 124.(4)** Sudha Sharma, 1976 batch IRS Officer, has been appointed the new Chairperson of the Central Board of Direct Taxes. She took over as Poonam Kishore Saxena retired on 31 May.
- 125.(1)** Indian National Defence University (INDU) is being set up at Gurgaon (Haryana). Constituted under an Act of Parliament, it will be a dedicated first-of-its-kind institution for training and research in military studies in India.
- 126.(4)** Former judge of the Rajasthan High Court Justice Sajjan Singh Kothari was sworn in as Lokayukta of Rajasthan. The post had been lying vacant since May last year after the retirement of G L Gupta.
- 127.(3)** China won their fifth consecutive Sudirman Cup and ninth overall, defeating South Korea.
- 128.(1)** The first all-women police station in Arunachal Pradesh has started functioning to specifically deal with crimes against women.
- 129.(2)** Indian Banks' Association (IBA) was formed on 26 September 1946. It is based in Mumbai.
- 130.(2)** K R Kamath, the chairman and managing director of Punjab National Bank (PNB) was re-elected as the Chairman of IBA for 2013-14 tenure.
- 131.(4)** MS stands for Microsoft, DOS is the name of operating system Disk Operating System, 6.22 is the version number that identifies the product.
- 132.(1)** Slide show options is not available to the presenter in Transitions command.
- 133.(2)** In computer programming, an input mask refers to a string expression, defined by a developer, that governs what a user is allowed to enter in as input in a text box. It can be said to be a template, or set format that entered data must conform to, mainly used for the

purposes of data integrity by preventing transcription errors. The syntax of this string expression differs from implementation to implementation, but the fundamental input types are all supported. Some frequent uses of input masks include entry of telephone numbers, ZIP or postal codes, times and dates. this is easy e.g. When entering into a text box a phone number on a data capture form, in the format "(11111) 11111" the area code brackets, the space between the number and the area code will automatically be placed in.

- 134.(4)** We use stacks to evaluate expressions in postfix notation. To do this, when an operand is encountered, it is pushed on to the stack, when an operator is encountered, it is applied to the first two operands that are obtained by popping the stack and the result is pushed onto the stack.
- 135.(3)** In computing, a loader is the part of an operating system that is responsible for loading programs. It is one of the essential stages in the process of starting a program, as it places programs into memory and prepares them for execution. Loading a program involves reading the contents of executable file, the file containing the program text, into memory, and then carrying out other required preparatory tasks to prepare the executable for running. Once loading is complete, the operating system starts the program by passing control to the loaded program code.
- 136.(3)** An Internet Protocol address (IP address) is a numerical label assigned to each device (e.g., computer, printer) participating in a computer network that uses the Internet Protocol for communication. An IP address serves two principal functions: host or network interface identification and location addressing. An IP address is an identifier for a computer or device on a TCP/IP network. IP addresses are converted to a hierarchy of domain names.
- 137.(4)** Telnet is a network protocol used on the Internet or local area networks to provide a bidirectional interactive text-oriented communication facility using a virtual terminal connection. User data is interspersed in-band with Telnet control information in an 8-bit byte oriented data connection over the Transmission Control Protocol (TCP).
- 138.(3)** Mobile Commerce refers to the delivery of electronic commerce capabilities directly into the consumer's hand, anywhere, via wireless technology. Mobile Commerce, or m-Commerce,

is about the explosion of applications and services that are becoming accessible from Internet-enabled mobile devices. It involves new technologies, services and business models. It is quite different from traditional e-Commerce. Mobile phones impose very different constraints than desktop computers. But they also open the door to a slew of new applications and services. They follow you wherever you go, making it possible to look for a nearby restaurant, stay in touch with colleagues, or pay for items at a store.

139.(3) In computing, floating point describes a method of representing an approximation to real numbers in a way that can support a wide range of values. The numbers are, in general, represented approximately to a fixed number of significant digits (the mantissa) and scaled using an exponent. The base for the scaling is normally 2, 10 or 16. The typical number that can be represented exactly is of the form:-

Significant digits \times base exponent

Because of the advantage of floating-point representation over fixedpoint and integer

Representation(it can support a much wider range of values),it is used to store real integers.

140.(4) VGA and DVI connectors are used to transmit video from a source (like a computer or tablet) to a display device (like a monitor, TV or projector). The main difference between VGA and DVI is in the way the video signals travel. VGA connectors and cables carry analog signals while DVI can carry both analog and digital. DVI is newer and offers better, sharper display compared to VGA. You can easily tell them apart because VGA connectors (and ports) are blue while DVI connectors are white.

141.(3) Reserved words (occasionally called keywords) are one type of grammatical construct in programming languages. These words have special meaning within the language and are predefined in the language's formal specifications. Typically, reserved words include labels for primitive data types in languages that support a type system, and identify programming constructs such as loops, blocks, conditionals, and branches.

142.(2) In computer networks, to download means to receive data to a local system from a remote system, or to initiate such a data transfer. Examples of a remote system from which a

download might be performed include a web server, FTP server, email server, or other similar systems. A download can mean either any file that is offered for downloading or that has been downloaded, or the process of receiving such a file. It has become more common to mistake and confuse the meaning of downloading and installing or simply combine them incorrectly together.

143.(5) A hyperlink (or link) is a reference to data that the reader can directly follow, or that is followed automatically. A hyperlink points to a whole document or to a specific element within a document. Hypertext is text with hyperlinks. A software system for viewing and creating hypertext is a hypertext system, and to create a hyperlink is to hyperlink (or simply to link). A user following hyperlinks is said to navigate or browse the hypertext.

144.(1) CD-ROM is compact-disc read only memory. it generally holds about 650mb of data or 74 minutes of audio. It is generally less expensive than DVD and blue-ray, although generally DVD and blue ray devices can read CD-ROM data as well. CD-ROM is a format (AUDIO CD, DATA CD), storage media (CD-ROM Disc), and type of device (CD-ROM Drive).

145.(1) Animation is the rapid display of a sequence of images to create an illusion of movement. The most common method of presenting animation is as a motion picture or video program, although there are other methods. This type of presentation is usually accomplished with a camera and a projector or a computer viewing screen which can rapidly cycle through images in a sequence. Animation can be made with either hand rendered art, computer generated imagery, or three-dimensional objects, e.g. puppets or clay figures, or a combination of techniques.

146.(2) A hard disk drive (HDD) is a data storage device used for storing and retrieving digital information using rapidly rotating discs (platters) coated with magnetic material. An HDD retains its data even when powered off. Data is read in a random-access manner, meaning individual blocks of data can be stored or retrieved in any order rather than just sequentially.

147.(2) A transformation that distorts the shape of an object such that the transformed shape appears as if the object were composed of internal layers that had been caused to slide over each other is called shear. A scaling transformation alters the size of an object. This

operation can be carried out for polygons by multiplying the coordinate values (x, y) of each vertex by scaling factors s_x and s_y to produce the transformed coordinates (x', y') .

148.(3) A network, is a collection of computers and other hardware interconnected by communication channels that allow sharing of resources and information. Where at least one process in one device is able to send/receive data to/from at least one process residing in a remote device, then the two devices are said to be in a network. A network is a group of devices connected to each other. Networks may be classified into a wide variety of characteristics: the medium used to transport the data, communications protocol used, scale, topology, benefit, and organizational scope.

149.(2) The output of a cryptographic hash function, also known as a message digest, can provide strong assurances about data integrity, whether changes of the data are accidental or maliciously introduced. Any modification to the data will likely be detected through a mismatching hash value. Furthermore, given some hash value, it is infeasible to find some input data that will yield the same hash value. If an attacker can change not only the message but also the hash value, then a keyed hash or message authentication code (MAC) can be used for additional security. Without knowing the key, it is infeasible for the attacker to calculate the correct keyed hash value for a modified message.

150.(2) A hit is a request to a web server for a file (web page, image, JavaScript, Cascading Style Sheet, etc.). When a web page is uploaded from a server the number of "hits" or "page hits" is equal to the number of files requested. Therefore, one page load does not always equal one hit because often pages are made up of other images and other files which stack up the number of hits counted. Because one page load does not equal one hit it is an inaccurate measure of a website's popularity or web traffic. A more accurate measure of web traffic is how many page views a web site has. Hits are useful when evaluating the requirements of your server, depending on the number and size of files which need to be transferred for one request. Servers should be tested to make sure they meet throughput targets (i.e. they should be capable of processing a certain number of 'hits' per second).

- 151.(1)** The author points out that intellectual property rights and their administration mechanism is throttling the interest of global bio-diversity.
- 152.(4)** The author is supportive of international conventions and treaties such as TRIPs, CBD, etc. This statement is not made by author in the passage.
- 153.(1)** Out of the countries that signed CBD, the percentage of those that signed the TRIPs also, is 76.5.
- 154.(2)** According to the author, a higher-yield seed variety is not always welcome as it also ultimately leads to disease among the plant.
- 155.(1)** This is definitely true.
- 156.(2)** The meaning of Summit is the highest level or degree attainable; the highest stage of development. The word Acme provides the same meaning.
- 157.(1)** Diametrical is an adjective of the root word diameter which means the length of a straight line passing through the center of a circle and connecting two points on the circumference. The synonym of diametrical would be polar.
- 158.(3)** The meaning of revolution is a drastic and far-reaching change in ways of thinking and behaving, and the meaning of gyration is a single complete turn. So the word gyration is the synonym of revolution.
- 159.(2)** The opposite word for reconcile is disharmonize.
- 160.(1)** The meaning of the word yielding is inclined to yield to argument, influence or control, and the meaning of standing is Social or financial or professional status or reputation.
- 161.(3)** The meaning of ensure is to make sure and secure, so here 'ensure' will be used.
Ex. Registering the letter will ensure its delivery.
- 162.(1)** The violence did not even faze her. The meaning of faze is disturb the composure of.
- 163.(1)** The correct sentence is :- If you had told me that you had already bought this books i would not have given it to you as a birthday present.

- 164.(3)** Correct order of the sentence is :- All precautionary measures were taken by the Government to prevent the capture of booths by the terrorists during the election.
- 165.(2)** Correct order of the sentence is:- The Government has assured the people that the families of all those soldiers will be properly looked after who have sacrificed their lives in the Kargil operation.
- 166.(3)** Correct order of the sentence is:- All though the long warm summer days and ant was very busy collecting and storing up food for the winter.
- 167.(2)** Correct order of the sentence is:- The fat major, standing carelessly with his sword, held horizontally behind him and with his legs far apart looked after the receding horseman and laughed.
- 168.(2)** The victorious army ran through the fallen city.
- 169.(3)** His most striking characteristic is the enthusiasm which bring everything he does
- 170.(3)** Although Sadhana stays with that family, she is not related to them.
- 171.(3)** He does not like to be friendly with Sunil. He always gives her the cold shoulder.
- 172.(4)** There is a/an exception to every rule
- 173.(1)** "To retire before the enemy" expresses the meaning of the phrase i.e. Beat a retreat in a best way.
- 174.(3)** The meaning of the phrase is to have a choice between two things.
Ex. Mary found herself on the horns of a dilemma. She did not know which to choose.
- 175.(2)** "At the last possible" moment expresses the phrase " At the eleventh hour".
Ex. She always turned her papers in at the eleventh hour.
- 176.(1)** "In the arms of Morpheus" means to be asleep. In Greek mythology Morpheus is a God of dream.

Ex. Thief come and take all the household stuffs but the owner did not do anything. He was in the arms of Morpheus.

177.(4) This phrase means to call something by its right name.

Ex. Well, I believe it's time to call a spade a spade.

178.(4) Wanderers is the right option.

179.(2) Exertion would be the apt appropriate option.

180.(4) Compliments is the right option.

181.(4) Ironical would be the suitable word here.

182.(3) Aspiration is the correct option for this sentence.

183.(4) Dislike would be the correct choice.

184.(3) Change is the right option.

185.(1) Inimitable is the right option.

186.(1) Inordinate is the correct option.

187.(4) Retards is the suitable word.

188.(2) In the place of my self "I" will be used.

He and I went to Simla.

189.(4) After read "it" will be used for book.

Here is a novel please read it.

190.(3) The correct sentence would be :-

She prides herself on her beauty.

191.(4) Correct sequence is given below:-

We are what our thoughts have made us.

Thoughts live, they travel far.

And so take care of what you think.

Every work we do, everything that we think, leaves an impression on the mind-stuff.

Every man's character is determined by the sum total of these impressions.

If good impressions prevail, the character becomes good, if bad, it becomes bad.

192.(3) Correct sequence is given below:-

Many people believe that it is cruel to make use of animals for laboratory studies.

They point out that animals too have nervous system like us and can feel pain.

These people, who have formed the Antivivisection society, have been pleading for a more humane treatment of animals by scientists.

Monkeys, mice, rabbits and other mammals are used in large numbers by scientists and many of them are made to suffer diseases artificially produced in them.

We can avoid such cruelty to animals if we use alternative methods such as tissue culture, gas chromatography and chemical techniques.

It is in view of these facts that the government of India has banned the export of monkeys to America.

193.(1) Correct sequence is given below:-

There are numerous kinds of superstitions in different parts of the country.

Superstitions usually have their origin in fear and ignorance.

Nobody remembers now how a superstition first started in remote ages.

But people go on respecting on 'luck' — good or bad.

Most of them have bearing on 'luck' good or bad.

A dog's howling predicts death — this is a typical superstition.

194.(3) Correct sequence is given below:-

A spider's web, after a shower of rain, looks very beautiful.

Poets have sung about the beauty of the spider's webs, comparing the water drops on them to ropes of pearls.

But no poet has ever sung of the beauty of the spiders, for most spiders are not beautiful.

On the contrary, most of them are rather unattractive, if not ugly!

They are also feared because their bites may have unpleasant effects like a rash on the skin.

This explains partly why spiders are thoroughly disliked.

195.(1) Correct sequence is given below:-

Society in every country shapes itself out of its own initiative.

Our part of duty lies in imparting true education to all men and women in society.

It will not be then necessary to pull down or set up anything in society by coercion.

Women must be put in a position to solve their problems in their own way.

No one can or ought to do this for them.

And our Indian women are as capable of doing it as any one in the world.

196.(4) Allergic and rash are the most suitable words.

197.(3) Sedentary means sitting a lot without much movement. It is usually used in a health context to mean a lifestyle without a lot of movement or exercise.

198.(4) Abnegation means self-denial. It is suitable for the sentence given above.

199.(4) The most suitable word is commentary.

200.(4) A disorder or abnormal alteration in one's mental state is described by aberration.

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