RBI Assistant Model Paper

Quantitative Aptitude

1. 73% of 8523 + 32% of 6245 = ?
   a) 8042.21   b) 8136.28   c) 8625.35
   d) 8220.19   e) None of these

2. $\sqrt[3]{804357}$ = ?
   a) 93   b) 76   c) 83
   d) 86   e) None of these

3. 8226 ÷ 15 ÷ 5 = ?
   a) 2156   b) 109.68   c) 185.56
   d) 2742   e) None of these

4. 182.225 × 21.652 × 33.584 = ?
   a) 132507   b) 149428   c) 120426
   d) 106438   e) 112642

5. 63.5% of 8924.2 + ?% of 5324.4 = 6827.5862
   a) 36   b) 22   c) 17
   d) 31   e) 9

Directions (Q. 6-10) Study the information carefully and answer the questions that follow.

A school has a total of 1200 students. The ratio of girls to boys in the school is 3:2. All the students have enrolled in hobby classes viz. Singing, Dancing, Martial Arts and Cooking. One-twelfth of the boys have enrolled in only cooking classes. 25% of the girls have enrolled in Cooking and Singing classes together. Number of boys enrolled in only Martial Arts classes is 150% of the number of girls enrolled in the same. Number of students enrolled in only Dancing is 26% of the total number of students. 5% of the girls have enrolled in only Martial Arts classes. One-third of the boys enrolled in only Dancing classes. 35% of the girls enrolled in Singing, dancing and Martial Arts together and the remaining enrolled in only Cooking. 15% of the boys enrolled in Cooking and Singing classes together and the remaining enrolled in Singing, Dancing and Martial Arts classes together.

6. Number of boys enrolled in Cooking and Singing classes together is what percent of the girls enrolled in the same?
   a) 48   b) 36   c) 20
   d) 25   e) None of these

7. What is the total number of students learning Martial Arts?
   a) 96   b) 496   c) 342
   d) 128   e) None of these

8. How many girls are enrolled in only Cooking classes?
   a) 280   b) 252   c) 154
   d) 100   e) None of these

9. How many boys learn Singing?
   a) 226   b) 184   c) 72
   d) 96   e) None of these

10. What is the respective ratio of girls to boys enrolled in only Dancing classes?
    a) 8:7   b) 14:17   c) 19:20

d) 12:7   e) None of these

11. In how many different ways can the letters of the word 'FLEECED' be arranged?
   a) 840   b) 2520   c) 1680
   d) 49   e) None of these

12. The perimeter of a square is 164 metres. What is the area of the square?
   a) 1089 sq. metres   b) 1764 sq. metres   c) 1661 sq. metres
   d) 1681 sq. metres   e) None of these

13. The product of two successive numbers is 1980. Which is the smaller number?
   a) 34   b) 44   c) 35
   d) 45   e) None of these

14. The difference between 55% of a number and 25% of the same number is 11.10. What is 75% of that number?
   a) 27.75   b) 37   c) 21.25
   d) 45   e) None of these

15. The average of the ages of 3 friends is 23. Even if the age of 4th friend is added the average remains 23. What is the age of 4th friend?
   a) 32   b) 21   c) 23
   d) Cannot be determined   e) None of these

16. 8 men working for 9 hours a day complete a piece of work in 20 days. In how many days can 7 men working for 10 hours a day complete the same piece of work?
   a) 21 days   b) 20-3/5 days   c) 20-1/2 days
   d) 21-3/7 days   e) None of these

17. If $12a + 12b = 45$, what is the average of a and b ?
   a) 3.75   b) 1.875   c) 3.875
   d) 1.75   e) None of these

18. How much part of a day is 45 minutes?
   a) 1/42   b) 1/24   c) 1/32
   d) 1/48   e) None of these

19. Samir drove at the speed of 45 km from home to a resort. Returning over the same route, he got stuck in traffic and took an hour longer, also he could drive only at the speed of 40 km. How many kilometres did he drive each way?
   a) 250 km   b) 300 km   c) 310 km
   d) 275 km   e) None of these

20. What is the greater of two numbers whose product is 640, if the sum of the two numbers, exceeds their difference by 32 ?
   a) 45   b) 50   c) 55
   d) 40   e) None of these

21. On a test consisting of 150 questions, Rita answered 40% of the first 75 questions correctly. What percent of the other 75 questions does she need to answer correctly for her grade on the entire exam to be 60%?
   a) 80   b) 70   c) 40
   d) 50   e) None of these

Directions (Q. 22-26) 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) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
Give answer (3) if the data either in Statement I alone or in Statement II alone are sufficient to answer the question.
Give answer (4) if the data in both the Statements I and II are not sufficient to answer the question.
Give answer (5) if the data in both the Statements I and II together are necessary to answer the question.

22. What is the speed of the bus?
    I.   The bus covers a distance of 80 km in 5 h.
    II.   The bus covers a distance of 160 km in 10 h.

23. What is the ratio of the number of freshers to the number of seniors in a college?
    I.   The ratio of males and females in the college is 2:3.
    II.   There are 1125 female freshers in the college.

24. What is Mr.Mehta's present income?
    I.   Mr.Mehta's income increases by 10% every year.
    II.   His income will increase by Rs.2500 this year.

25. What is Nidhi's age?
    I.   Nidhi is 3 times younger to Rani.
    II.   Surekha is twice the age of Rani and the sum of their ages is 72.

26. What is the ratio of the total number of girls to the total number of boys in the school?
    I.   The ratio of the total number of boys to the total number of girls, last year was 4:5.
    II.   There are 3500 students in the school out of which 60% are boys.

27. In a class of 80 students and 5 teachers, each student got sweets that are 15% of the total number of students and each teacher got sweets that are 25% of the total number of students. How many sweets were there?
    a) 1030   b) 1040   c) 1050
    d) 1060   e) None of these

28. The product of two successive even numbers is 6888. Which is the greater of the two numbers?
    a) 78   b) 82   c) 86
    d) 90   e) None of these

29. By how much $7/9^{th}$ of 234 lesser than $10/13^{th}$ of 247?
    a) 12   b) 26   c) 38
    d) 14   e) None of these

30. Bhawna decided to donate 12% of her salary to an Orphanage. On the day of donation she changed her mind and donated Rs.2400 which was 125% of what she had decided earlier. How much is Bhawna's salary?
    a) Rs.14750   b) Rs.16000   c) Rs.18500
    d) Can't be determined   e) None of these

31. Gaurav spent Rs.38460 on the renovation of his home, Rs.24468 on buying home theater and the remaining 28% of the total amount he had as cash with him. What was the total amount?
    a) Rs.92600   b) Rs.76500   c) Rs.87400
    d) Can't be determined e) None of these

32. Which number should replace both the question marks in the following equation?
    $$\frac{?}{944} = \frac{59}{?}$$
    a) 218   b) 236   c) 244
    d) 264   e) None of these

33. The ages of Ranjana and Rakhi are in the ratio of 15:17 respectively. After 6 years the ratio of their ages will be 9:10. What will be the age of Ranjana after 6 years?
    a) 40 years   b) 30 years   c) 34 years
    d) 36 years   e) None of these

34. One-seventh of a number is 38. What will 63% of that number be?
    a) 174.56   b) 189.42   c) 167.58.
    d) 204.32   e) None of these

35. The simple interest accrued on an amount of Rs.17000 at the end of four years is Rs.6800. What would be the compound interest accrued on the same amount at the same rate in the same period?
    a) Rs.7889.7   b) Rs.8324   c) Rs.6990.5
    d) Can't be determined e) None of these

36. What will be the area (in square metre) of 1.5 m wide garden developed around all the four sides of a rectangular field having area equal to 300 sq. m and breadth equal to three-fourth of the length?
    a) 96   b) 105   c) 114
    d) Can't be determined e) None of these

37. In a two digit positive number, the digit in the units place is equal to the square of the digit in ten's place, and the difference between the number and the number obtained by interchanging the digits is 54. What is 40% of the original number?
    a) 15.6   b) 39   c) 37.2
    d) 24   e) None of these

38. Vishwas borrowed a total amount of Rs.30000, part of it on simple interest rate of 12% per annum and remaining on simple interest rate of 10% per annum. If at the end of 2 years he paid in all Rs.36480 to settle the loan amount, what was the amount borrowed at 12% per annum?
    a) Rs.16000   b) Rs.18000   c) Rs.17500
    d) Rs.12000   e) None of these

39. If the numerator of a fraction is increased by ¼ and the denominator is decreased by 1/3 the new fraction obtained is 33/64. What was the original fraction?
    a) 9/11   b) 5/7   c) 3/7
    d) 7/9   e) None of these

40. Twice the square of a number is more than eleven times the number by 21. The number can have which of the following values?
    a) 4 or -7/2   b) 7 or -3/2   c) 3 or -7/2
    d) 9/2 or -4   e) None of these

Reasoning Ability

Directions (Q.41-45) Read the following information carefully and answer the questions which follow:

A, B, C, D, E, F, G and H study in different standards viz. 1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th. All of them are seated around a circular table facing the centre.

C sits third to right of H. H studies in std. 8. F sits second to left of E. E is not an immediate neighbour of C or H. The one who studies in std. 1 is an immediate neighbour of E. Three people sit between H and the student of std. 7.

H, C and also their immediate neighbours do not study in std. 2. Only one person sits between the student of std. 2 and G. Students of std. 3 and 4 are immediate neighbours of each other. C is neither in std. 4 nor in std. 3. Only one person sits between A and the student of std. 5. A does not study in std. 2 or 3. B does not study in std. 2.

41. Which of the following is true regarding F?
    a) F studies in std. 5
    b) D and G are immediate neighbours of F
    c) One person sits between F and the student of std. 4
    d) F sits second to right of A
    e) None of these

42. Who amongst the following studies in std. 3?
    a) C   b) F   c) G
    d) B   e) Can't be determined

43. How many persons sit between D and the student of std. 4, when counted from the left hand side of student of std. 4?
    a) None   b) One   c) Two
    d) Three   e) Four

44. Which of the following is true?
    a) Only one person is sitting between student of std. 4 and std. 6
    b) D studies in std. 2
    c) The one studying in std. 3 is an immediate neighbour of H
    d) One person sits between H and the student of std. 2
    e) None of these

45. Who amongst the following represent immediate neighbours of G?
    a) A, B
    b) E and the student of std. 2
    c) H and the student of std. 6
    d) E, F
    e) A, D

Directions (Q. 46-48) Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

46. a) B A H   b) E D G   c) C, B, F
    d) H, G, A   e) D, F, E

47. a) ED   b) FC   c) AH
    d) EG   e) CB

48. What will come in the place of the question mark?
G D B A ?
a) E   b) F   c) C
d) H   e) A

Directions (Q. 49-50) Four of the following five are alike in a certain way and hence form a group. Which is the one that does not belong to the group?

49. a) Asia   b) Antarctica   c) Africa
    d) Alaska   e) Australia

50. a) Trophy   b) Medal   c) Certificate
    d) Gift   e) Prize

Directions (Q. 51-53) Four of the following five are alike in a certain way based upon the order in which these appear in the English alphabetical series and hence form a group. Which is the one that does not belong to that group?

51. a) MPQO   b) DGHF   c) RUTV
    d) VYZX   e) JMNL

52. a) AMCL   b) WIVK   c) GVIU
    d) XDZC   e) HRJQ

53. a) AZMN   b) BYEF   c) CXUV
    d) FUNO   e) IRDV

Directions (Q. 54-60) Study the following information carefully and answer the given questions.

Seven lectures are scheduled to be held in a week. There is only one lecture on each of the seven days of the week, starting from Monday and ending on Sunday.

Chemistry is taught either on Wednesday or on Saturday. Three lectures are scheduled to be held between Chemistry and English. Two lectures are scheduled to be held between English and Computers. Lecture on Physics is scheduled on the day which is immediately next to the day when lecture on Biology is scheduled. Lecture on Psychology is scheduled to be held after Mathematics (not necessarily immediately after Mathematics). Lecture on Psychology is not scheduled for Saturday or Sunday.

54. Which of the following lectures is scheduled for Thursday?
    a) Mathematics   b) English   c) Physics
    d) Biology   e) Computers

55. Which of the following combinations of day-lecture is correct?
    a) Saturday-Physics   b) Monday-Biology   c) Tuesday-English
    d) Thursday-English   e) Sunday-Computers

56. How many lectures are scheduled between Chemistry and Physics?
    a) None   b) One   c) Two
    d) Three   e) Five

57. If Chemistry is related to Biology and Psychology is related to Computers in a certain way based upon the given lecture schedule, then Biology will be related to which of the following based upon the same relationship?
    a) English   b) Mathematics   c) Physics

d) Chemistry   e) None of these

58. On which of the following days is the lecture on Psychology scheduled?
    a) Friday   b) Monday   c) Tuesday
    d) Thursday   e) None of these

59. Which of the following lecture/s is/are scheduled to be held between the lectures on Chemistry and Physics?
    a) No lecture is scheduled between these two lectures
    b) Only Computers
    c) Computers and Psychology
    d) Computers and Biology
    e) English and Mathematics

60. How many lectures are scheduled to be held between English and Mathematics?
    a) None   b) One   c) Two
    d) Three   e) Five

Directions (Q. 61-65) Study the following information to answer the given questions.

In a certain code
'more money in market' is written as 'zo li aa to'
'share in market profit' is written as 'vo to je li'
'making more profit now' is written as 'su je zoka'
'now the market gains' is written as 'do li yosu'

61. Which of the following does 'vo' stand for?
    a) profit   b) in   c) share
    d) market   e) in or profit

62. What is the code for 'making'?
    a) ka   b) su   c) je
    d) zo   e) Can't be determined

63. Which of the following is the code for 'gain'?
    a) su   b) li   c) yo
    d) do   e) yo or do

64. Which of the following can be the code for 'the more you share'?
    a) doyozovo   b) vowizo do   c) vozowibu
    d) yo je vowi   e) suvozo do

65. 'toka li aa' is a code for which of the following?
    a) share more in market
    b) now share more gains
    c) the gains in market
    d) the gains in profit
    e) making money in market

Directions (Q. 66-70) In each question below is given a statement followed by two assumptions/inferences numbered I and II. An assumption is something supposed or taken for granted and an inference is something which can be directly inferred from the given facts. You have to consider the statement and the following assumptions/inferences and decide which of those is/are implicit in the statement.

Give answer (a) if only I is implicit
Give answer (b) if only II is implicit
Give answer (c) if either I or II is implicit
Give answer (d) if neither I nor II is implicit
Give answer (e) if both I and II are implicit

66. Statement: Do not enter-avoid the risk of getting infected with the ABC disease – written outside the quarantine ward no.2 (meant only for ABC disease) of a hospital.
    I.   Disease 'ABC' is contagious.
    II.   All the patients in ward no.2 suffer from disease ABC.

67. Statement: In city Z, people prefer to buy Car X instead of Car Y as Car X has German technology which is very advanced.
    I.   Cars with German technology are perceived to be better than other cars in city Z.
    II.   Had German technology been present in Car y also, its sales would have crossed car X's sales.

68. Statement: Railway does not provide concession to any one for travelling to certain holiday destinations.
    I.   Railway services are available for travelling to these holiday destinations.
    II.   Railways provides concession to certain persons for travelling to places other than these holiday destinations.

69. Statement: Travellers with a ticket for the second class if found travelling in the first class compartments would be penalized – Notice in the compartments of a train.
    I.   Travellers with a ticket for the first class are also not allowed to travel in the second class compartments.
    II.   Inspections are carried out in the train to check the tickets.

70. Statement: The prices of petrol and diesel have remained unchanged only in Nigeria since the past three years.
    I.   Petrol and diesel prices have changed elsewhere in the World during these three years.
    II.   Before this three years period, petrol and diesel were available at a price different from the present rates.

Directions (Q. 71-74) In each question below a statement/s is given followed by two courses of action numbered I and II. A course of action is a practicable and feasible step or administrative decision to be taken for follow up, improvement, or further action in regard to the problem, policy etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, and decide which of the suggested courses of action logically follow(s) for pursuing.

Give answer (a) if only I follows
Give answer (b) if only II follows
Give answer (c) if either I or II follows
Give answer (d) if neither I nor II follows
Give answer (e) if both I and II follow

71. Statement: People see tax as a burden and thus devise ways to underpay or avoid it altogether.
    Courses of action
    I.   Government should educate and inform citizens about the ways in which taxes help in development of the nation.
    II.   Tax rates should be increased so that the under-recovery in collection is compensated.

72. Statement: There is no motivation among today's generation to join the armed forces owing to frequent transfers to risky areas. Perhaps they are not aware of the good side of it.
Courses of action
I.   Short term internship should be introduced at high school level to give students a peek into the adventurous life of the forces and provide a more realistic job purview.
II.   The salary levels of the defence forces should be increased with immediate effect.

73. Statement: A plethora of bodies with no single one which can be held accountable for city's development is the key reason behind its rather stagnant state.
Courses of action
I.   Each body should be given a set of duties and there should be no duplication in such allocation.
II.   An umbrella committee should be appointed with powers to regulate actions of all other bodies.

74. Statement: Number of hospital beds per 1000 people in India, which is a key indicator of healthcare infrastructure, is much lower than many other nations which are thought to be poorer than India.
Courses of action
I.   The expenditure of importing costly medicines should be borne by the State.
II.   Incentives should be given to encourage entry of private players into building of healthcare infrastructure.

Directions (Q. 75-80) Study the following information to answer the given questions.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row – 1 A, B, C, D, E and F are seated and all of them are facing South. In row – 2 P, Q, R, S, T and V are seated and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

V sits third to right of S. S faces F and F does not sit at any of the extreme ends of the line. D sits third to right of C. R faces C. The one facing E sits third to right of P. B and P do not sit at the extreme ends of the line. T is not an immediate neighbour of V and A is not an immediate neighbour of C.

75. Who amongst the following faces D?
a) T   b) P   c) Q
d) R   e) None of these

76. Who amongst the following represent the people sitting at extreme ends of the rows?
a) R, F   b) T, A   c) D, R
d) C, Q   e) S, A

77. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
a) B-T   b) A-Q   c) C-S
d) F-P   e) D-R

78. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
a) D   b) S   c) V
d) T   e) A

79. How many persons are seated between R and T?
a) One   b) Two   c) Three

d) Four   e) None of these

80. Who amongst the following faces Q?
    a) D   b) B   c) E
    d) A   e) None of these

English Language

Directions (Q. 81-88) Read the passage carefully and answer the questions given below it. Certain words/phrases are given in bold to help you locate them while answering some of the questions.

Various measures have been deployed to combat food inflation. Subsidies on food and fertilisers, imports of food as well as regulations to prevent hoarding f farm produce did succeed in stabilising prices from time to time. But such crisis management has been able to provide only short lived relief, and prices have gone up from 2007.

Bringing down food inflation will benefit the consumer, but make prices unattractive to farmers. This will **accentuate** poverty. Unremunerative prices discourage investments in agriculture, causing supply side shortages, **fueling** inflation further. So, the most effective way of prices, ploughing a larger share of the consumer spend back to the farmer.

First we need to lower transaction costs. The Agricultural Produce Market Committee Acts mandate all farm produce should be brought to mandis for farmer pays to transport his produce over long distances, before knowing the price at which his produce would be sold, or whether any other market would have paid a better price.

The journey from farm to consumer involves multiple levels of transportation, handling expenses, commissions of agents and a mandicess, adding nearly 20% cost to food prices. This **absurdity** was acknowledged years ago, and a new Model APMC Act recommended by the Centre in 2003.

This Model Act must be implemented in all states. Unless farmers have the freedom to sell at farm-gate or other transparent platforms directly to buyers, transaction costs will remain high and drive consumer prices higher. Next, we need to cut wastage. Anywhere from, 5% to 40% of food is wasted along the chain, depending on the perishability of the crop and the season. First, market instruments must empower farmers to produce as per tommorow's demand, rather than be guided by yesterday's prices.

If the Forward Contracts Regulation Act is amended to permit trading in options, farmers are assured of a minimum price when sowing, based on future projections **simulated** by a market consensus. This will align production volumes to future demand conditions and minimise wastage.

81. What has been the overall effect of the various measures taken to combat food inflation?
    a) Such measures have successfully stablisied prices of food items for a longer period
    b) Such measures have proved ineffective in the long run, and the prices have gone up.
    c) Such measures could provide only a short lived relief
    d) Only b) and c)

82. What prompted the Centre to bring about a new Model APMC Act? Select the most appropriate option.
    a) The earlier version of the APMC Act forced the farmers to b ear huge transportation cost

b) The APMC Act provided that every farmer had to sell his produce only in man di and that also through agents.

c) APMC Act was not acceptable to farmers, and on several occasions they had expressed their resentment against the said Act.

d) The APMC Act could not provide relief to farmers, rather it led the food prices to costlier by 20%.

83. Which of the following statements is contrary to the facts mentioned in the given passage?

a) Unremunerative prices discourage investment in agriculture resulting into supply side shortage

b) To contain food inflation the consumer prices should be lowered.

c) Market instruments must empower farmers to produce as per yesterday's demand.

d) The new Model of APMC Act was recommended by the centre to lower the transaction cost.

84. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

Absurdity

a) Logic   b) Wisdom   c) Folly

d) Seriousness

85. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

Virtual

a) Real   b) Practical   c) Authentic

d) Actual

86. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

Simulated

a) Unexpected   b) Classified   c) Delivered

d) Imitated

87. Choose the word/group of words which is most opposite in meaning of the word/group of words printed in bold as used in the passage.

Accentuate

a) Accentuate   b) Increase   c) Remove

d) Highlight

88. Choose the word/group of words which is most opposite in meaning of the word/group of words printed in bold as used in the passage

Fueling

a) Inciting   b) Lessening   c) Inflaming

d) Sustaining

Directions (Q. 89-97) Pick out the most effective word/s from the given word/s to fill in the blanks to make the sentence meaningfully complete in the context of the sentence.

89. ____ I not informed you about this, you would have missed the opportunity.

a) If   b) Provided   c) Unless

d) Had   e) Have

90. Many with ____ I have shared my thoughts have shown initial surprise.

a) whom   b) who   c) which

d) that   e) me

91. Our present _____ towards the environment contrasts quite sharply with our historical reverence for nature.
    a) state   b) apathy   c) nature
    d) disposition   e) appeal

92. Changing lifestyles in India are causing many frustrations, _____ people to lash out at the weekest.
    a) motivating   b) tempting   c) leading
    d) killing   e) stressing

93. There was this new belief among people that they could be successful, and that there were opportunities here for the _____.
    a) taking   b) all   c) daringly
    d) granted   e) grabbing

94. _____ a country's current account is in deficit, it would imply that its imports of goods and services are higher than its income from exports and remittances from non-residents.
    a) As   b) Given   c) Unless
    d) Rather   e) If

95. In fact, _____ the many years of being a closed, high-tariff economy, we have always been more open minded than the economic models we have lived under.
    a) inspite   b) besides   c) of
    d) provided   e) despite

96. The most encouraging fact is that change is spreading _____ the country and reaching villages and small towns.
    a) from   b) over   c) across
    d) far   e) among

97. In a string of decisions, information commissions have forced public authorities to implement the RTI stipulation that they should all put _____ information proactively so that citizens don't have to file applicable for every small thing.
    a) as   b) out   c) on
    d) into   e) forwards

Directions (Q. 98-107) Which of the phrases (1), (2), (3), (4) and (5) given below each sentence should replace the word/phrase in bold in the sentence to make it grammatically correct.

98. While these circumstances do not exonerate **their actions on the least,** these are signs of how economic bitterness can create high social costs.
    a) the actions on the least
    b) the actions on their least
    c) their actions at the least
    d) their actions in the least
    e) all their actions on the least

99. There is **a urgent need to look at** alternative sources of portable water in places where water quality has deteriorated sharply.
    a) An urgency to look on
    b) An urgent needs to look for
    c) An urgent need to looking at
    d) An urgent need to look for
    e) Always urgent need to look for and at

100.   TISCO had begun to produce steel in the early 20th century, but the British Chief Commissioner of the Indian Railways had sworn to 'eat every pound of steel rail' made, **if it were to meet British specifications.**
a) If it ever met British specifications
b) As it never ever met British specifications
c) Provided if it were to meet British specifications
d) Unless it were to meet British specifications
e) Only if they tried to meet British specifications

101.   **Not only does children have** fewer chances of surviving and are underfed they also lack educational opportunities.
a) Not only did children have
b) Not only does the child have
c) Not only does the child has
d) Not do children have only
e) Not only do children have

102.   But equally, it should be made clear that there is no escape for those who **take justice to their own hand.**
a) Take justice onto the own hands
b) Take justice onto their own hand
c) Take justice into their own hands
d) Take justices into their own hands
e) Took justice into their own hand

103.   The mid-day meal scheme has helped **but should it have been linked less** with the schooling system and more with the hunger pattern.
a) But should had been linked less
b) But should it not have been linked less
c) But it should been linked lesser
d) But it should have been linked less
e) But it should had been linked less

104.   The government is **suppose to monitor the import of** hazardous waste which enters India through a gap in the law that allows the import of waste for recycling.
a) supposedly to monitor the import of
b) supposed for monitoring the import of
c) supposed to monitor the import of
d) supposed to monitoring the import of
e) supposed to monitor the importing of

105.   **It is being still not realised that** there is definite connection between education, good motherhood and efficient house management.
a) It still not being realised that
b) It is still not being realised that
c) It not is still being realised that
d) It is still not realised than
e) It was still not realised when

106.   According to child rights activitists to avoid **crimes on children it is important** to have community level child protection mechanisms like community watch dogs and commitees for child protection, child welfare and anti-trafficking. These will create an interface between communities and state/district mechanisms.
a) crimes over children it was important

b) crimes of children it is important
c) crimes over children it is important
d) crimes against children it is important
e) crime onto children it is important

107.　　While the acceptance of man's gender role has been willingly taken up by women, **the same do not always holds true for men.**
a) The same does not always hold true for men
b) The same does not always holds true for men
c) The same does always hold true for men
d) The same does not hold true for always men
e) its does not hold true for men

Directions (Q. 108-110) Read each sentence to find out whether, there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors of puncutation, if any)

108.　　Coaches have the advantage of (1) / draw on their personal experiences (2) / and providing their players (3) / with unique inputs. (4) No error (5)
109.　　The actor loves to think (1) / never enjoys stick to one kind of role (2) / and finds it difficult to (3) / fulfil everyone's expectations. (4) No error (5)
110.　　A major computer security firm urged (1) / the social networking site to set up (2) / an early-warning system after hundreds of users were (3) / hit by a new wave of virus attacks. (4) No error (5)

Directions (Q. 111-120) In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and againsteach, five words/phrases are suggested, one of which fits the blank appropriately. Find out the appropriate word/phrase in each case.

Greenhouse gases are only (91) of the story when it comes to global warming. Changes to one part of the climate system can (92) additional changes to the way the planet absorbs or reflects energy. These secondary changes are (93) climate feedbacks, and they could more than double the amount of warming caused by carbon dioxide alone. The primary feedbacks are (94) to snow and ice, water vapour, clouds and the carbon cycle.

Perhaps the most well (95) feedback comes from melting snow and ice in the Northern Hemisphere. Warming temperatures are already (96) a growing percentage of Arctic sea ice, exposing dark ocean water during the (97) sunlight of summer. Snow cover on land is also (98) in many areas. In the (99) of snow and ice, these areas go from having bright, sunlight reflecting surfaces that cool the planet to having dark, sunlight absorbing surfaces that (100) more energy into the Earth system and cause more warming.

| 111. | a) whole | b) part | c) material |
| | d) issue | e) most | |

| 112. | a) raise | b) brings | c) refer |
| | d) stop | e) cause | |

| 113. | a) sensed | b) called | c) nothing |
| | d) but | e) term | |

| 114. | a) due | b) results | c) reason |
| | d) those | e) because | |

| 115. | a) done | b) known | c) ruled |
| | d) bestowed | e) said | |

116. a) mastering   b) sending   c) melting
      d) calming   e) increasing

117. a) make-shift   b) ceasing   c) troubled
      d) perpetual   e) absent

118. a) dwindling   b) manufactured   c) descending
      d) generating   e) supplied

119. a) progress   b) reduced   c) existence
      d) midst   e) absence

120. a) repel   b) waft   c) monitor
      d) bring   e) access

General Awareness

121.   Bromine is a
   a) Yellow liquid
   b) Red liquid
   c) Green liquid
   d) Black liquid
   e) None of these

122.   Who was the 1st Governor General of Independent India
   a) Lord William Bentick
   b) Lord Louis Mountbatten
   c) Lord Cornwallis
   d) Vijay Lakshmi Pandit
   e) None of these

123.   Who instituted the Kalinga Award
   a) UNO
   b) UNCTAD
   c) Government of India
   d) UNESCO
   e) None of these

124.   Fountain Pen founded by Louis Edson Waterman in which year?
   a) 1984
   b) 1842
   c) 1921
   d) 1884
   e) None of these

125.   'Cannes Award' is given for excellence in which field
   a) Peace
   b) Films
   c) Literature
   d) Botany
   e) None of these

126.   Bismillah Khan was related with which field
    a) Shehnai
    b) Films
    c) Painting
    d) Journalism
    e) None of these

127.   The book namely 'The Gathering Storm' is written by which Author
    a) KeizRath
    b) Wilson Johnson
    c) Unmukt Sharma
    d) Winston Churchill
    e) None of these

128.   Thomas Edison invented the Gramophone in the year 1878, he was from which
    country
    a) USA
    b) Canada
    c) Russia
    d) Australia
    e) None of these

129.   Who is the Author of the book 'Yama'
    a) Hans Raj Malhotra
    b) Bismilla Khan Patodi
    c) Ram Niwas
    d) MahadeviVerma
    e) None of these

130.   Where is the Headquarter of World Trade Organisation
    a) New York
    b) Toronto
    c) Geneva
    d) Tokyo
    e) None of these

131.   The International Human Rights Convention adopted by the United Nations in which
    year
    a) 1909
    b) 1943
    c) 1963
    d) 1988
    e) 1990

132.   Where is the Headquarter of United Nations
    a) Kathmandu
    b) New York
    c) Copenheagen
    d) New Delhi
    e) None of these

133.   The Economic and Social Commission for Asia and Pacific is located at
    a) Thailand
    b) Singapore
    c) UK

d) South Korea
e) None of these

134.   Which is the National Capital of Nigeria
   a) Abuja
   b) Ibadan
   c) Calabar
   d) Ilorin
   e) None of these

135.   Who wrote the book namely 'RaktaKarabi'
   a) BalrajSahni
   b) Rabindranath Tagore
   c) Mohammad Ali Jinnah
   d) Surjit Singh Patar
   e) None of these

136.   Who won FBB Femina Miss India title 2015
   a) AditiArya
   b) AafreenVaz
   c) AishwaryaGoel
   d) AkankshaGautam
   e) None of these

137.   Who appointed as youngest lawmaker of Britain
   a) Mhairi Black
   b) George Osborne
   c) David Horne
   d) Harley Pollock
   e) None of these

138.   Who appointed as Chief Information Commissioner
   a) H.L. Dattu
   b) DevendraFadnavis
   c) Vijai Sharma
   d) Ravinder Singh
   e) None of these

139.   Who is the Prime Minister of Singapore
   a) TeoCheeHean
   b) TharmanShanmugaratnam
   c) Lee HsienLoong
   d) Chan Chun Sing
   e) None of these

140.   IISCO Steel Plant inaugurated by Prime Minister NarendraModi in which Indian city
   a) Durg, Chhattisgarh
   b) Sri Nagar, Jammu & Kashmir
   c) Burnpur, West Bengal
   d) Ganjam, Odisha
   e) None of these

141.   What is the Currency of Ukraine
   a) Ukrainian Dollar
   b) Ukrainian Baht

c) Ukrainian Rand
d) Ukrainian Euro
e) Ukrainian Hryvnia

142.   The sound travels at the fastest speed in
a) Steel
b) Iron
c) Water
d) Light
e) None of these

143.   What is the full form of SOA
a) South Africa Oman Association
b)Summits of the Americas
c) System of Oriental Amenities
d) System of Oral Agreement
e) None of these

144.   Which Indian origin personality appointed as Minister of State for Employment in
Britain
a) Keith Vaz
b) Narayana Murthy
c) SeemaMalhotra
d) Virender Sharma
e) Priti Patel

145.   Who awarded with SantNamdev National Award 2015
a) OomenChandy, Chief Minister of Kerala
b) Pawan Kumar Chamling, Chief Minister of Sikkim
c) Parkash Singh Bada, Chief Minister of Punjab
d) DevendraFadnavis, Chief Minister of Maharashtra
e) None of these

146.   Army Day is observed on which date
a) 07th February
b) 21st January
c) 25th January
d) 11th March
e) 15th January

147.   'Rosh Hashanah' is the new year day of which community
a) Hindus
b) Sikhs
c) Jainis
d) Jews
e) None of these

148.   National Space Society, USA founded in which year
a) 1989
b) 1988
c) 1987
d) 1999
e) None of these

149.   Who invented the HOVERCRAFT

a) Dame Julie Andrews
b) C. Cockerell
c) Marie SpartaliStillman
d) Farad Azima
e) None of these

150.   The term Dribble used in which game
    a) Hockey
    b) Football
    c) Cricket
    d) Tennis
    e) None of these

151.   The Reserve Bank of India policy rate which is purely an indicative rate used by the
    Reserve Bank of India to signal long term outlook on interest rates is _____
    a) Bank rate
    b) Repo rate
    c) Call money rate
    d) Notice money rate
    e) None of these

152.   In banking business, when the brrowers avail a term loan, initially they are given a
    repayment holiday and this is referred as …
    a) subsidy
    b) interest waiver
    c) re-phasing
    d) moratarium
    e) None of these

153.   The window for banks to borrow from Reserve Bank of India in emergency situation
    when inter-bank liquidity dries up completely, is called
    a) Marginal Standing Facility
    b) Liquidity Adjustment Facility
    c) Call money
    d) Repo rate
    e) None of these

154.   Which of the following agencies provides insurance cover to the deposits made with
    the banks?
    a) LIC
    b) GIC
    c) DICGC
    d) Tata AIG
    e) None of these

155.   According to the data provided in the Economic Survey 2013-14, India's balance of
    payments position improved dramatically in 2013-14. What was India's current account
    deficit in 2013-14?
    a) $ 88.2 bn
    b) $ 76.3 bn
    c) $ 54.6 bn
    d) $ 32.4 bn
    e) None of these

156. What minimum pension has been approved by the government under Employees Pension Scheme 1995 run by EPFO?
a) Rs.1000   b) Rs.1500   c) Rs.2000
d) Rs.2500   e) None of these

157. The Government of India has undertaken a programme of recapitalisation of Public Sector Banks to help them enhance business growth and _____
a) Capital Adequacy Norms
b) Ratio of Non Performing Assets
c) Per Employee Business Ratio
d) CASA Ratio
e) None of these

158. Banks in India are required to maintain a portion of their demand and time liabilities with the Reserve Bank of India. This portion is called
a) statutory liquidity ratio
b) cash reserve ratio
c) bank deposit
d) reverse repo
e) None of these

159. Loans to individuals for educational purposes including vocational courses upto _____ for studies in India and _____ for studies abroad are included under priority sector lending by banks.
a) Rs.5 Lakh, Rs.10 Lakh
b) Rs.7 Lakh, Rs.15 Lakh
c) Rs.10 Lakh, Rs.20 Lakh
d) Rs.12 Lakh, Rs.22 Lakh
e) None of these

160. Who among the following is not a Deputy Governor of the Reserve Bank of India at present?
a) H.R. Khan
b) AnandSinha
c) S.S. Mundra
d) R. Gandhi
e) None of these

Computer Knowledge

161. _____ a document means the file is transferred from another computer to your computer
a) Uploading
b) Really Simple Syndication
c) Accessing
d) Downloading
e) None of these

162. Which computer memory is used for storing programs and data currently being processed by the CPU?
a) Mass memory

b) Internal memory
c) Non-volatile memory
d) PROM
e) None of these

163.   Computers that control processes accept data in a continuous
a) data traffic pattern
b) data highway
c) infinite loop
d) feedback loop
e) None of these

164.   What refers to a set of characters of a particular design?
a) Keyface   b) Formation   c) Calligraph
d) Stencil   e) None of these

165.   _____ is used by public and private enterprises to publish and share financial information with each other and industry analysis across all computer platforms and the Internet.
a) Extensible Markup Language
b) Extensible Business Reporting Language
c) Enterprise Application Integration
d) Sales Force Automation Software
e) None of these

166.   Which part of the computer is used for calculating and comparing?
a) ALU   b) Control unit   c) Disk unit
d) Modem   e) None of these

167.   The method of Internet access that requires a phone line, but offers faster access speeds than dial-up is the _____ connection.
a) cable access
b) satellite access
c) fiber-optic service
d) modem
e) None of these

168.   _____ software creates a mirror image of the entire hard disk, including the operating system, applications, files and data.
a) Operating system
b) Backup software
c) Utility programs
d) Driver imaging
e) None of these

169.   What is a URL?
a) A computer software program
b) A type of programming object
c) The address of a document or page on the World Wide Web
d) An acronym for Unlimited resources for Learning
e) None of these

170.   What is the significance of a faded (dimmed) command in a pull-down menu?
a) The command is not currently accessible
b) A dialog box appears if the command is selected

c) A help window appears if the command is selected

d) There are no equivalent keystrokes for the particular command

e) None of these

171.   Your business has contracted with another company to have them host and run an application for your company over the Internet. The company providing this service to your business is called an

a) Internet service provider

b) Internet access provider

c) Application service provider

d) Outsource agency

e) None of these

172.   A(n) _____ allows you to access your e-mail from anywhere.

a) forum   b) webmail interface   c) message board

d) weblog   e) None of these

173.   Which of the following would you find on Linkedin?

a) Games   b) Connections   c) Chat

d) Applications   e) None of these

174.   _____ is a technique that is used to send more than one call over a single line.

a) Digital transmission

b) Infrared transmission

c) Digitizing

d) Multiplexing

e) None of these

175.   The search companion can

a) locate all files containing a specified phrase

b) restrict its search to a specified set of folders

c) locate all files containing a specified phrase and restrict its search to a specified set of folders

d) cannot locate all files containing a specified phrase or restrict its search to a specified set of folders

e) None of these

176.   Which of the following cannot be part of an e-mail address?

a) Period   b) At sign   c) Space

d) Underscore   e) None of these

177.   Which of the following must be contained in a URL?

a) A protocol identifier

b) The letters www.

c) The unique registered domain name

d) www.and the unique registered domain name

e) None of these

178.   Which of the following information systems focuses on making manufacturing processes more efficient and of higher quality?

a) Computer aided manufacturing

b) Computer integrated manufacturing

c) Computer aided software engineering

d) Computer aided system engineering
e) None of these

179.   A mistake in an algorithm that causes incorrect results is called a
a) logical error
b) syntax error
c) procedural error
d) compiler error
e) None of these

180.   A device for changing the connection on a connector to a different configuration is
a) a converter
b) a competent
c) an attachment
d) an adapter
e) None of these

181.   To navigate to a new web page for which you know the URL, type that URL in the browser's … and press Enter
a) Address bar
b) Domain bar
c) Address button
d) Name button
e) None of these

182.   The CPU also called the … when talking about PCs, does the vast majority of the processing for a computer.
a) Macroprocessor
b) RAM
c) Memory system
d) microprocessors
e) None of these

183.   A computer's type, processor and operating system define its …
a) Brand   b) Size   c) Platform
d) Speed   e) None of these

184.   A kiosk
a) is data organised and presented in a manner that has additional value beyond t he value of the data itself
b) combines microscopic electronic components on a single integrated circuit that processes bits according to software instructions
c) is a computer station that provides the public with specific and useful information and service
d) describes a computer's type, processor, and operating system
e) None of these

185.   The part of the CPU that accesses and decodes programme instructions, and coordinates the flow of data among various system components is the
a) ALU   b) Control unit   c) Megabertz
d) Motherboard   e) None of these

186.   Computer programs are written in a high level programming language, however, the human readable version of a program is called
a) cache

b) instruction set
c) source code
d) word size
e) None of these

187.   What is the difference between a CD-ROM and a CD-RW?
a) They are the same just two different terms used by different manufacturers
b) A CD-ROM can be written to and a CD-RW cannot
c) A CD-RW can be written to, but a CD-ROM can only be read from
d) A CD-ROM holds more information than a CD-RW
e) None of these

188.   What is the term for how words will appear on a page?
a) Text formatting
b) Character formatting
c) Point size
d) Typeface
e) None of these

189.   The process of a computer receiving information form a server on the Internet is known as
a) Pulling   b) Pushing   c) Downloading
d) Transfering   e) None of these

190.   When sending an e-mail, the … line describe the contents of the message
a) Subject   b) To   c) Contents
d) CC   e) None of these

191.   All the deleted files go to
a) Recycle bin   b) Task bar   c) Tool bar
d) My computer   e) None of these

192.   You organise files by storing them in
a) Archives   b) Folders   c) Indexes
d) Lists   e) None of these

193.   A website address is a unique name that identifies a specific ___ on the web
a) Web browser   b) Website   c) PDA
d) Link   e) None of these

194.   _____ are specially designed computer chips that reside inside o ther devices, such as your car or your electronic thermostat
a) Servers
b) Embedded computers
c) Robotic computers
d) Mainframes
e) None of these

195.   Which of the following places the common data elements in order from smallest to largest?
a) Character, file, record, field, database
b) Character, record, field, file, database
c) Character, field, record, file, database
d) Bit, byte, character, record, field, file, database

e) None of these

196.   Which of the following statements is false concerning file names?
a) Files may share the same name or the same extension but not both
b) Every file in the same folder must have a unique name
c) File extension is another name for file type
d) None of these

197.   A disk's content that is recorded at the time of manufacture and that cannot be changed or erased by the user is
a) Memory only   b) Write only   c) Read only
d) Run only   e) None of these

198.   Distributed processing involves
a) solving computer component problems from a different computer
b) solving computing problems by breaking them into smaller parts that are separately processed by different computers
c) allowing users to share files on a network
d) allowing users to access network resources away from the office
e) None of these

199.   The operating system determines the manner in which all of the following occurs except
a) user creation of a document
b) user interaction with the processor
c) printer output
d) data displayed on the monitor
e) None of these

200.   Office LANs that are spread geographically apart on a large scale can be connected using a corporate
a) CAN   b) LAN   c) DAN
d) WAN   e) None of these

Answers:

1. Option D
    ? = 73% of 8523 + 32% of 6245
    $? = 8523 \times \frac{73}{100} + 6245 \times \frac{32}{100}$
    = 6221.79 + 1998.40 = 8220.19

2. Option A
    $? = \sqrt[3]{804357}$
    $= \sqrt[3]{93 \times 93 \times 93}$
    = 93

3. Option B
    $? = 8226 \div 15 \div 5 = 8226 \times \frac{1}{15} \times \frac{1}{5} = 109.68$

4. Option A
    $? = 182.225 \times 21.652 \times 33.584$

? = 132506.87 = 132507 (Approx.)

5. Option B
    $\frac{63.5}{100}$ of 8924.2 + $\frac{?}{100}$ of 5324.4 = 6827.5862

    $8924 \times \frac{64}{100} + 5325 \times \frac{?}{100} = 6828$

    $5711 + \frac{5325 \times ?}{100} = 6828$

    $? = \frac{6828 - 5711 \times 100}{5325} = \frac{111700}{5325} = 22$ (approx.)

Total number of students = 1200

Total number of girls = $1200 \times \frac{3}{5}$

Total number of boys = $1200 \times \frac{2}{5} = 480$

Number of boys enrolled in only cooking = $\frac{1}{12} \times 480 = 40$

Number of girls enrolled in cooking and singing together = $\frac{25}{100} \times 720$

Number of students enrolled in only dancing classes = $1200 \times \frac{26}{100} = 312$

Number of girls enrolled in only martial arts classes = $720 \times \frac{5}{100} = 36$

Number of boys enrolled in only martial arts classes = $720 \times \frac{5}{100} = 36$

Number of boys enrolled in only martial arts classes = $36 \times \frac{150}{100} = 54$

Number of boys enrolled in only dancing classes = $\frac{1}{3} \times 480 = 160$

Number of girls enrolled in singing, dancing and martial arts classes together = $\frac{720 \times 35}{100} = 252$

Number of girls enrolled in only cooking classes = 720 – 252 = 468

Number of boys enrolled in cooking and singing classes = $\frac{480 \times 15}{100} = 72$

Number of boys enrolled in singing, dancing and martial arts classes = 480 – 72 = 408

6. Option E
    Required percentage = $\frac{72 \times 100}{180} = 40$

7. Option E
    Total number of students learning martial arts = 36 + 54 = 90

8. Option E
    Number of girls enrolled in only cooking classes = 468

9. Option A
    Number of boys who learning singing
    = 480 – (40 + 54 + 160)
    = 480 – 254 = 226

10. Option C
    Required ratio = $\frac{312 - 160}{160} = \frac{152}{160} : \frac{19}{20} = 19:20$

11. Option A
    Required number = $\frac{7!}{3!} = \frac{7 \times 6 \times 5 \times 4 \times 3!}{3!} = 7 \times 6 \times 5 \times 4 = 840$

12. Option D
    Area of the square = 164/4 square = $41^2 = 1681$ sq. m

13. Option B

Suppose required small number is x.

$X \times (x + 1) = 1980$

$x^2 + x - 1980 = 0$

$x^2 + 45x - 44x - 1980 = 0$

$x (x + 45) - 44 (x + 45) = 0$

$(x - 44) (x + 45) = 0$

x = 44, smallest number is 44

14. Option A

$\frac{11.10 \times 100}{55 - 25} \times \frac{75}{100} = 27.75$

15. Option C
16. Option E

M	H	D
8	9	20
7	10	x

7 : 8 : 20 : x

10 : 9

$x = \frac{8 \times 9 \times 20}{7 \times 10} = \frac{144}{7} = 20\text{-}4/7$ days

17. Option B

$12a + 12b = 45$

$A + b = \frac{45}{12} = \frac{15}{4}$

Average of a and b $= \frac{a+b}{2} = \frac{15}{4 \times 2} = \frac{15}{8} = 1.875$

18. Option C

Required part $= \frac{45}{24 \times 60} = \frac{1}{32}$

19. Option E

Suppose required distance was x km.

$\frac{x}{40} - \frac{x}{45} = 1$

$\frac{9x - 8x}{360} = 1$

$\frac{x}{360} = 1 \qquad x = 360$ km

20. Option D

Suppose two numbers are x and y.

$xy = 640$

$(x + y) - (x - y) = 32$

$x + y - x + y = 32$

$2y = 32$

$y = 16$

$x \times 16 = 640$

$x = \frac{640}{16} \qquad x = 40$

largest number is 40

21. Option A

Suppose required percentage is x

$\frac{150 \times 60}{100} = \frac{75 \times 40}{100} + \frac{75 \times x}{100}$

$9000 = 3000 + 75x$

$75x = 9000 - 3000$

$x = \frac{6000}{75} = 80\%$

22. Option C

From statement I, speed of bus $= \frac{80}{5} = 16$ km/h

From statement II, speed of bus $= \frac{160}{10} = 16$ km/h

23. Option D

Both statements are not sufficient.

24. Option E

From statements I and II, Present income of Mr.Mehta $= \frac{2500 \times 100}{10} =$ Rs.25000

25. Option E

From statement II, age of Rani $= \frac{72 \times 1}{3} = 24$ years

From statement I, age of Nidhi $= \frac{24 \times 1}{3} = 8$ years

26. Option B

From statement II, number of boys = 60%

Number of girls = 40%

Required ratio = 60 : 40 = 3 : 2

27. Option D

Total number of sweets $= 80 \times \frac{15}{100}$ of $80 + 5 \times 80 \times \frac{25}{100}$

= 960 + 100 = 1060

28. Option E

Suppose the greater number is x

x (x – 2) = 6888

x^2 – 2x – 6888 = 0

x^2 – 84x + 82x – 6888 = 0

x (x – 84) + 82 (x – 84) = 0

(x – 84) (x + 82) = 0

x = 84 or –82

the greater number is 84

29. Option E

$(\frac{10}{13}$ of 247$) - (\frac{7}{9}$ of 234$) = 190 - 182 = 8$

30. Option B

Suppose the salary of Bhawna was Rs.x.

$(\frac{12}{100}$ of x$) \times \frac{125}{100} = 2400$

$x \times \frac{12}{100} \times \frac{125}{100} = 2400$

$x = \frac{2400 \times 100 \times 100}{12 \times 125} =$ Rs.16000

31. Option C

Suppose total amount was Rs.x

$x - 38460 - 24468 = \frac{28x}{100}$

$x - \frac{28x}{100} = 38460 + 24468$

$\frac{100x - 28x}{100} = 62928$

$\frac{72x}{100} = 62928$

$72x = 62928 \times 100$

$x = \frac{62928 \times 100}{72} = $ Rs.87400

32. Option B

$\frac{?}{944} = \frac{59}{?}$

$?^2 = 944 \times 59 = 55696$

$? = \sqrt{55696} = 236$

33. Option D

Suppose the age of Ranjana and Rakhi is 15x years and 17x years.

After 6 years the age of Ranjana and Rakhi

$\frac{15x + 6}{17x + 6} = \frac{9}{10}$

$153x + 54 = 150x + 60$

$153x - 150x = 60 - 54$

$3x = 6x = 2$

So, the age of Ranjana after 6 years $= 15 \times 2 + 6 = 36$ years

34. Option C

Suppose required number is x.

$x \times \frac{1}{7} = 38$

$x = 7 \times 38$

$\frac{x \times 63}{100} = \frac{7 \times 38 \times 63}{100} = 167.58$

35. Option A

36. Option C

Suppose the length of the field is x m.

So, the breadth of the field will be $\frac{3x}{4}$ m

$x \times \frac{3x}{4} = 300$

$x^2 = \frac{300 \times 4}{3} = 400$

$x = \sqrt{400}$

$x = 20$

Area of the garden $= (20 + 3)(15 + 3) - 300$

$= (23)(18) - 300 = 114$ square metre

37. Option A

Suppose the original number is $(10x + x^2)$

$(10x^2 + x) - (10x + x^2) = 54$

$10x^2 + x - 10x - x^2 = 54$

$9x^2 - 9x = 54$

$x^2 - x = 6$

$x^2 - x - 6 = 0$

$x^2 - 3x - 2x - 6 = 0$

$(x - 3)(x + 2) = 0$

$x = 3$

Original number $= 10 \times 3 + 3^2$

$= 30 + 9 = 39$

40% of original number $= 39 \times \frac{40}{100} = 15.6$

38. Option D

Suppose at the rate of 12% p.a. he borrowed Rs.x.

$36480 - 30000 = \frac{x \times 12 \times 2}{100} + \frac{30000 - x \times 10 \times 2}{100}$

$6480 = \frac{24x}{100} + \frac{600000 - 20x}{100}$

$6480 \times 100 = 24x + 600000 - 20x$

$648000 = 4x + 600000$

$4x = 648000 - 600000 = 48000$

$x = \frac{48000}{4} = Rs.12000$

39. Option E

Suppose original fraction is $\frac{x}{y}$

$\frac{x + \frac{1}{4}x}{y - \frac{1}{3}y} = \frac{33}{64}$

$\frac{4x + x}{4} \times \frac{3}{3y - y} = \frac{33}{64}$

$\frac{5x}{4} \times \frac{3}{2y} = \frac{33}{64}$

$\frac{15x}{8y} = \frac{33}{64}$

$\frac{x}{y} = \frac{33}{64} \times \frac{8}{15} = \frac{11}{40}$

40. Option B

Suppose the number is x.

$2x^2 - 11x = 21$

$2x^2 - 11x - 21 = 0$

$2x^2 - 14x + 3x - 21 = 0$

$2x(x - 7) + 3(x - 7) = 0$

$(x - 7)(2x + 3) = 0$

$x = 7$ or $-\frac{3}{2}$

41. Option E
42. Option D
43. Option D
44. Option B

D studies in std. 2

45. Option C

H and the student of std. 6

46. Option A

B A H (All others first person sits between second and third person)

47. Option D

E G (All others second person is immediate left of the first person)

48. Option C
49. Option D

Except 'Alaska' all others are continents.

50. Option D

Except 'Gift' all other things are gained by competition.

51. Option C
52. Option B
53. Option E

Lectures	Days
Mathematics	Monday
Psychology	Tuesday
Chemistry	Wednesday
Computers	Thursday
Biology	Friday
Physics	Saturday
English	Sunday

54. Option E
55. Option A
56. Option C
57. Option A
58. Option C
59. Option D
60. Option E
61. Option C
62. Option A
63. Option E
64. Option B
65. Option E
66. Option E

    From the statement, it is clear that 'ABC' is a contagious disease and all the patients in ward number 2 suffer from disease ABC. Hence, both are implicit in the statement.

67. Option A

    From the statement, it is clear that people in city Z prefer to German technology car. Hence, only I is implicit in the statement.

68. Option B

    From the statement, we clearly say that Railway provides concession to certain persons for travelling to places other than these holiday destinations.

69. Option B

    From the statement, we clearly say that inspections are carried out in the train to check the tickets. Hence, only II is implicit in the statement.

70. Option E

    From the statement, it is clear that except Nigeria in all other countries petrol and diesel prices have changed in the past three years and also before this three years period, petrol and diesel were available at a price different from the present rates. Hence, both are implicit in the statement.

71. Option A

    Statement points out that people see tax as a burden, hence, government should educate and inform citizens about the ways in which taxes help in development of the nation. Hence, only action I is the right course of action.

72. Option A

For the motivation among today's generation to join armed forces, the right action is that the short term internship should be introduced at High School level to give students a peek into the adventourous life of the Armed Forces. Hence, only action I is the right course of action.

73. Option B

For accountability of plethora of bodies, an umbrella committee should be appointed with powers to regulate action of these bodies. Hence, only action II is the right course of action.

74. Option B

For improvement of Healthcare Infrastructure of India, incentives should be given to private players. Hence, only action II is the right course of action.

75. Option A
76. Option B
77. Option E
78. Option B
79. Option B
80. Option C

Floor	Person
6th	R
5th	S
4th	T
3rd	__
2nd	P
1st	Q

81. Option D
82. Option D
83. Option C
84. Option C
85. Option B
86. Option D
87. Option A
88. Option B
89. Option D
90. Option A
91. Option B
92. Option C
93. Option A
94. Option E
95. Option E
96. Option C
97. Option B
98. Option C
99. Option D
100.   Option D
101.   Option E
102.   Option C
103.   Option D
104.   Option C
105.   Option B
106.   Option D
107.   Option A

108.	Option B
109.	Option B
110.	Option C
111.	Option B
112.	Option E
113.	Option B
114.	Option A
115.	Option B
116.	Option C
117.	Option D
118.	Option A
119.	Option E
120.	Option E
121.	Option B
122.	Option B
123.	Option D
124.	Option D
125.	Option B
126.	Option A
127.	Option D
128.	Option A
129.	Option D
130.	Option C
131.	Option E
132.	Option B
133.	Option A
134.	Option A
135.	Option B
136.	Option A
137.	Option A
138.	Option C
139.	Option C
140.	Option C
141.	Option E
142.	Option A
143.	Option B
144.	Option E
145.	Option C
146.	Option E
147.	Option D
148.	Option C
149.	Option B
150.	Option A
151.	Option A
152.	Option D
153.	Option A
154.	Option C
155.	Option D
156.	Option A
157.	Option A
158.	Option B
159.	Option C
160.	Option B
161.	Option B
162.	Option B

163.	Option C
164.	Option C
165.	Option B
166.	Option A
167.	Option D
168.	Option B
169.	Option C
170.	Option D
171.	Option D
172.	Option B
173.	Option B
174.	Option D
175.	Option A
176.	Option C
177.	Option D
178.	Option A
179.	Option B
180.	Option D
181.	Option A
182.	Option D
183.	Option D
184.	Option C
185.	Option B
186.	Option C
187.	Option C
188.	Option A
189.	Option C
190.	Option A
191.	Option A
192.	Option B
193.	Option A
194.	Option B
195.	Option D
196.	Option D
197.	Option C
198.	Option B
199.	Option B
200.	Option B