Exam 2012: Solved Question Paper

Test-I: Reasoning

1. How many meaningful English words can be formed with the letters PCYO using all the letters, but each letter only once in each word?
   1) None 2) One 3) Two
   4) Three 5) More than three

2. The positions of the first and fifth letters of the word SUITABLE are interchanged. Similarly, the positions of second and sixth letters, third and seventh letters, and fourth and eighth letters are interchanged. In the new arrangement, how many letters are there in the English alphabetical series between the alphabet which is third from the left end and the alphabet which is second from the right end?
   1) None 2) One 3) Two
   4) Four 5) More than four

Directions (Q. 3-4): Read the following information carefully and answer the questions which follow.

Among A, B, C, D and E, each scored different marks in an examination. Only one person scored more than C. E scored more than A but less than D. D did not score the highest marks. The one who scored the second lowest scored 71% marks. C scored 92% marks.

3. Who among the following is most likely to have scored 87% marks?
   1) A 2) B 3) D
   4) E 5) Either A or D

4. Which of the following percentages is most likely to be B's percentage in the exam?
   1) 68% 2) 71% 3) 84%
   4) 76% 5) 97%

Directions (Q. 5-7): The following questions are based on the alphabetical series given below.

M J L I T Q S R K U F H C B D E A V P O G N

5. What will come in place of question (?) mark in the following series based on the above alphabetical series?
   N PO BDE ?
   1) UKR 2) SRKU 3) RKUF
   4) QSRK 5) FUK

6. If in a certain code, 'BIND' is coded as 'CLGB' and 'HELD' is coded as 'FDJB' based on the series given above. How will 'FORK' be coded in the same code language?
   1) HGKU 2) UPKR 3) KPSR
   4) UPSR 5) UGSR

7. 'HC' is related to 'KQ' in a certain way. Similarly, 'OG' is related to 'AB' in the same way. To which of the following is 'RK' related, following the same pattern?
   1) TJ 2) SI 3) TI 4) HD 5) IM

8. Each vowel of the word SAVOURY is changed to the next letter in the English alphabetical series and each consonant is changed to the previous letter in the English alphabetical series. If the new alphabets thus formed are arranged in alphabetical order (from left to right), which of the following will be fifth from the right?
   1) U 2) R 3) Q
   4) P 5) X

9. How many such pairs of letters are there in the word PACKETS, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?
   1) One 2) Two 3) Three
   4) Four 5) More than four

10. Point P is 10m to the West of Point A. Point B is 2m to the South of Point P. Point Q is 6m to the East of Point B. Point C is 2m to the North of Point Q. Which of the following three points fall in a straight line?
    1) A, C, P 2) B, C, P 3) Q, C, A
    4) A, B, Q 5) A, B, C

Directions (Q. 11-15): In these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

(1) if only conclusion I is true.
(2) if only conclusion II is true.
(3) if either conclusion I or II is true.
(4) if neither conclusion I nor II is true.
(5) if both conclusions I and II are true.

11. Statements: $H \geq I = J > K \leq L$
    Conclusions: I. $K < H$ II. $L \geq I$

12. Statements: $S > C \geq O; P < C$
    Conclusions: I. $O < P$ II. $S > P$

13. Statements: $A = B \leq C; A > R$
    Conclusions: I. $B > R$ II. $R < C$

14. Statements: $D > E \leq F; J < F$
    Conclusions: I. $D > J$ II. $E < J$

15. Statements: $P < Q > T; R \geq Q$
    Conclusions: I. $R > P$ II. $T < R$

Directions (Q. 16-20): Study the following information to answer the given questions.

Eight people are sitting in two parallel rows containing four people each in such a way that there is an equal distance between adjacent persons. In row 1, A, B, C and D are sitting (but not necessarily in the same order) and all of them are facing North. In row 2, P, Q, R and S are sitting (but not necessarily in the same order) and all of them are facing South. Therefore, in the given seating arrangement, each member sitting in a row faces another member of the other row.

S sits second to left of Q. A faces the immediate neighbour of S. Only one person sits between A and C. P does not face A. B is not an immediate neighbour of A.

16. Which of the following is true regarding D?
    1) D sits at one of the extreme ends of the line.
    2) A sits on the immediate left of D.
    3) Q faces D.
    4) C is an immediate neighbour of D.
    5) No immediate neighbour of D faces R.

17. Who among the following faces C?
    1) P   2) Q   3) R
    4) S   5) Cannot be determined

18. Who among the following sits on the immediate right of the person who faces C?
    1) P   2) Q   3) R
    4) S   5) Cannot be determined

19. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to that group?
    1) A   2) Q   3) R
    4) B   5) S

20. Who among the following faces R?
    1) A   2) B   3) C
    4) D   5) Cannot be determined

Directions (Q. 21-26): Study the following information to answer the given questions:

In a certain code,
'time and money' is written as 'ma jo ki',
'manage time well' is written as 'pa ru jo',
'earn more money' is written as 'zi ha ma' and
'earn well enough' is written as 'si ru ha'.

21. What is the code for 'earn'?
    1) si   2) ru   3) ha
    4) ma   5) Cannot be determined

22. Which of the following represents 'more time'?
    1) pa jo   2) zi ki   3) ma ki
    4) si jo   5) jo zi

23. What is the code for 'manage'?
    1) ru   2) pa   3) jo
    4) ha   5) Either 'jo' or 'ru'

24. Which of the following may represent 'money matters'?
    1) ki to   2) ma pa   3) fi ma
    4) ha ma   5) ma jo

25. What does 'ru' stand for?
    1) well   2) manage   3) time
    4) enough   5) Either 'time' or 'enough'

26. Which of the following may represent 'good enough'?
    1) ru si   2) da ha   3) si pa
    4) si da   5) ki ru

Directions (Q. 27-33): Study the following information carefully and answer the given questions.

Eight friends – A, B, C, D, E, F, G and H – are sitting around a circle facing the centre, but not necessarily in the same order. D sits third to left of A. A is an immediate neighbour of both F and H. Only one person sits between C and F. B is not an immediate neighbour of D. Only one person sits between B and G.

27. A is related to G in a certain way. Similarly, C is related to H, according to the given seating arrangement. Who among the following is related to F, following the same pattern?
    1) A   2) B   3) C   4) D   5) E

28. Who among the following sits second to the right of C?
    1) F   2) A   3) D   4) G   5) H

29. What is the position of C with respect to the position of E?
    1) Third to the left   2) Second to the left
    3) Immediate right   4) Third to the right
    5) Second to the right

30. Which of the following is true with respect to the given seating arrangement?
    1) A sits on the immediate left of H.
    2) B sits exactly between C and G.
    3) F sits second to the right of C.
    4) E is an immediate neighbour of C.
    5) None is true

31. Which of the following pairs represents the immediate neighbours of G?
    1) A, C   2) C, D   3) D, H   4) D, E   5) C, F

32. Who among the following sits exactly between C and F?
    1) A   2) D   3) G   4) H   5) B

33. Starting from A, if all the friends are made to sit in alphabetical order in clockwise direction, the positions of how many (excluding A) will remain unchanged?
    1) None   2) One   3) Two
    4) Three   5) Four

Directions (Q. 34-37): In each question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

(1) if only conclusion I follows.
(2) if only conclusion II follows.
(3) if either conclusion I or II follows.
(4) if neither conclusion I nor II follows.
(5) if both conclusions I and II follow.

34. Statements: All exams are tests. No test is a question.
    Conclusions: I. At least some exams are questions.
                  II. No exam is a question.

35. Statements: No bangle is an earring. Some earrings are rings.
    Conclusions: I. No ring is a bangle.
                  II. Some rings are definitely not earrings.

36. Statements: Some banks are colleges. All colleges are schools.
    Conclusions: I. At least some banks are schools.
                  II. All schools are colleges.

37. **Statements:** All rivers are lakes. All lakes are oceans.

   Conclusions: I. All rivers are oceans.

   II. At least some oceans are lakes.

Directions (Q. 38-40): 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.

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

3) if the data either in statement I alone or in statement II alone are sufficient to answer the question.

4) if the data neither in statement I nor in statement II are sufficient to answer the question statement

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

38. On which date of the month was Parul born?

   I. Her mother correctly remembers that she was born after 15th but before 21st of April.

   II. Her father correctly remembers that she was born after 18th but before 24th of April.

39. How many brothers does Meghna have? Meghna is a girl.

   I. Kishore, the father of Meghna, is the only child of Kamal. Kamal has only two grandchildren.

   II. Jyoti, the daughter-in-law of Kamal, has a son and a daughter.

40. Among P, Q, R, S and T, sitting in a straight line, facing North, who sits exactly in the middle of the line?

   I. S sits third to the left of Q. S is an immediate neighbour of both P and T.

   II. Two people sit between T and R. R does not sit at either of the extreme ends. P sits second to the right of T.

Test-II : English

Directions (Q. 41-45): Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete.

41. The government is planning to set _____ family welfare centres for slums in cities.

   1) another   2) with   3) for

   4) in   5) up

42. Economic independence and education have _____ women more assertive.

   1) prepared   2) made   3) marked

   4) resulted   5) adjusted

43. In the modern world, the _____ of change and scientific innovation is unusually rapid.

   1) supplies   2) context   3) pace

   4) fantasy   5) requirement

44. The unprecedented economic growth of China has _____ worldwide attention.

   1) perceived   2) proposed   3) neither

   4) astonished   5) attracted

45. Each business activity _____ employment to people who would otherwise be unemployed.

   1) taking   2) finds   3) creates

   4) provides   5) given

Directions (Q. 46-55): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you locate them while answering some of the questions.

The importance of communication skills cannot be underestimated, especially so, in the teaching – learning process. Teaching is generally considered as only fifty per cent knowledge and fifty per cent interpersonal or communication skills. For a teacher, it is not just important to give a lecture rich in content that provides **abundant** information about the subject or topic in question, but a successful teacher develops an **affinity** with, an understanding of, and a harmonious interrelationship with her pupils. Building rapport becomes her primary task in the classroom. But what exactly is rapport? Rapport is a sympathetic relationship or understanding that allows you to look at the world from someone else's perspective. Making other people feel that you understand them creates a strong bond. Building rapport is the first step to better communication – the primary goal of all true educators. Communication skills for teachers are thus as important as their in-depth knowledge of the particular subject which they teach. To a surprising **degree**, how one communicates determines one's effectiveness as a teacher. A study on communication styles suggests that 7% of communication takes place through words, 38% through voice intonation and 55% through body language.

Much of teaching is about sending and receiving messages. The process of communication is composed of three elements : the source (sender, speaker, transmitter or instructor), the symbols used in composing and transmitting of the message (words or signs), and the receiver (listener, reader or student). The three elements are dynamically interrelated since each element is dependent on the others for effective communication to take place. Effective communication is all about conveying your message to the other people clearly and unambiguously. It's also about receiving information the others are sending to you, with as little distortion as possible. Doing this involves effort from both the sender and the receiver. And it's a process that can be fraught with error, with messages muddled by the sender, or misinterpreted by the recipient. When this isn't detected it can cause tremendous confusion, wasted effort and missed opportunity.

Good communication skills are a prerequisite for those

in the teaching profession. Carefully planned and skilfully delivered messages can issue invitations to students that school is a place to share ideas, investigate and collaborate with others. Effective communication is essential for a well-run classroom. A teacher who is able to communicate well with students can inspire them to learn and participate in class and encourage them to come forth with their views, thus creating a proper rapport. Although this sounds simple and obvious, it requires much more than a teacher saying something out loud to a student. They must also realise that all students have different levels of strengths and weaknesses.

Directions (Q. 46-47): Choose the word which is most OPPOSITE in meaning of the word printed in bold as used in the passage.

46. **Abundant**
    1) Small   2) Little   3) False
    4) Sufficient   5) Rare

47. **Muddled**
    1) Skilfully organised   2) Strongly controlled
    3) Clearly conveyed   4) Isolated
    5) Complicated

Directions (Q. 48-50): Choose the word which is most SIMILAR in meaning to the word printed in bold as used in the passage.

48. **Sounds**
    1) Seems   2) Corrects   3) Noises
    4) Takes   5) Silences

49. **Affinity**
    1) Partnership   2) Partiality   3) Weakness
    4) Compatibility 5) Discord

50. **Degree**
    1) Extent   2) Goal   3) Affect
    4) Situation   5) Direction

51. Which of the following is/are essential for effective communication?
    (A) Conveying the message clearly
    (B) Not to waste effort and opportunity
    (C) Receiving the information with as little distortion as possible
    1) Only (A) and (C)   2) Only (B)
    3) Only (A)   4) Only (C)
    5) Only (B) and (C)

52. Which of the following is true about 'rapport' as per the passage?
    (A) It is a sympathetic relationship.
    (B) It is based on understanding of other people's frame of reference.
    (C) It helps in creating a strong bond.
    (D) It is important for teachers to build rapport with students.
    1) Only (A) and (B)   2) Only (B) and (D)
    3) Only (A), (B) and (D)   4) Only (A), (B) and (C)
    5) All are true

53. Which of the following must the teachers keep in mind to facilitate learning in student as per the passage?
    1) To control the students such that they do not share ideas with others within the lecture hours
    2) To maintain rapport with students and compromise on the course content
    3) To realise that all students have different levels of strengths and weaknesses
    4) Only to keep the lecture rich in course content
    5) To ensure that students adhere to her views only

54. Which of the following are the three elements of communication as per the passage?
    1) Source, Signs and Students
    2) Source, Sender and Speaker
    3) Signs, Words and Students
    4) Instructor, Listener and Reader
    5) Transmitter, Student and Receiver

55. Which of the following is the finding of the study on communication styles?
    1) The body language and gestures account for 38% of communication and outweighs the voice intonation.
    2) Only 9% communication is about content whereas the rest is about our tone and body language.
    3) The tone of our voice accounts for 55% of what we communicate and outweighs the body language.
    4) More than 90% of our communication is not about content but about our tone and body language.
    5) Teaching is fifty per cent knowledge and fifty per cent interpersonal or communication skills.

Directions (Q. 56-65): Read each sentence to find out whether there is any grammatical 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 the errors of punctuation, if any.)

56. The economic disparity / has grown rapid in / the era of
             1)   2)
    globalisation / and free market forces. / No error
        3)   4)   5)

57. Research shows that people / is more sensitive to
                 1)   2)
    perceiving / messages that are consistent / with their
                 3)
    opinions and attitudes. / No error
        4)   5)

58. Many poverty alleviation schemes / are not applicable
                 1)   2)
    of / slum dwellers in metro cities / as they are above the
                 3)   4)
    poverty line. / No error
         5)

59. Rather than considering its / human capital as a drain
                 1)   2)
    on / resources, India needs to / resource develop its
                 3)   4)
    into a huge opportunity. / No error
                5)

60. The European nations have / become one of the /
    1) 2)
    favourite destinations of the Indian students / seek
    3)
    specialised knowledge and training. / No error
    4) 5)

61. If a credit card bill / is paid in full and / on time, none
    1) 2) 3)
    finance / charges are levied. / No error
    4) 5)

62. Training have a / positive effect on / development of
    1) 2) 3)
    various / skills and abilities. / No error
    4) 5)

63. Lack of ability to / read or write is just one of / the all
    1) 2)
    barriers that keep / the poor people under developed.
    3) 4)
    No error
    5)

64. Science and technology have / become dominant
    1) 2)
    factors / affecting our economic, cultural / and
    3)
    spiritual development. / No error
    4) 5)

65. A social business sells products / at prices that make it
    1) 2)
    self-sustaining, pays / no dividends and reinvestment
    3)
    / the profits in the business. / No error
    4) 5)

Directions (Q. 66-75): In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The latest technology (66) put to use or about to arrive in market must be (67) to all entrepreneurs. The reason is that it may have an (68) effect on business. Valve radios gave way to transistor radios and with micro chips, technology is giving way to digital equipment. Business has (69) the same but the technology has kept changing. A notable feature is that the size of the receivers decreased (70) so did the use of its material and consequently its price. The traditional flour mills are losing business (71) customers now buy flour (72) from the market. As a result of this, the business is (73). Following the same lines all technology, the social trends also go on changing and influence the market. The Indian sarees are being taken (74) by readymade stitched clothes. Every entrepreneur must note such changes in the environment and also the technology and plan in (75) with these to ensure the success of his endeavour.

66. 1) to 2) needed 3) decided
    4) besides 5) being

67. 1) hoped 2) welcome 3) released
    4) known 5) aware

68. 1) approximate 2) huge 3) uniform
    4) excellence 5) enormous

69. 1) maintained 2) remained 3) often
    4) mentioned 5) become

70. 1) mainly 2) and 3) how
    4) also 5) some

71. 1) reason 2) due 3) young
    4) as 5) old

72. 1) knowingly 2) ease 3) cheap
    4) directly 5) forcefully

73. 1) shrinking 2) blooming 3) returned
    4) same 5) small

74. 1) against 2) to 3) over
    4) up 5) for

75. 1) lines 2) relativity 3) accordance
    4) proper 5) toning

Directions (Q. 76-80): Rearrange the following five sentences (A), (B), (C), (D) and (E) in a proper sequence so as to form a meaningful paragraph, and then answer the questions given below.

(A) Understandably, the newly married woman herself wants to spend more time with the family.

(B) They also worry that she might not be able to defend herself in case of trouble.

(C) Once married, the in-laws exert a lot of pressure for similar cause of security.

(D) Initially, the family does not want the "decent" girl going all around.

(E) Retaining female workers at door-to-door sales jobs is just as hard as ever.

76. Which of the following should be the SECOND sentence after rearrangement?
    1) E 2) B 3) D 4) C 5) A

77. Which of the following should be the FOURTH sentence after rearrangement?
    1) A 2) C 3) D 4) B 5) E

78. Which of the following should be the FIRST sentence after rearrangement?
    1) D 2) B 3) C 4) E 5) A

79. Which of the following should be the THIRD sentence after rearrangement?
    1) C 2) A 3) E 4) D 5) B

80. Which of the following should be the LAST (FIFTH) sentence after rearrangement?
    1) B 2) D 3) C 4) A 5) E

Test-III: Quantitative Aptitude

Directions (Q. 81-95): What should come in place of question mark (?) in the following questions?

81. $? + 0.5 \times 24 = 5652$
    1) 171.75 2) 117.25 3) 171.25
    4) 117.75 5) None of these

82. $5 \times ? = 4808 \div 8$
    1) 122.2   2) 112.2   3) 120.2
    4) 102.2   5) None of these

83. 65% of 654 – ?% of 860 = 210.1
    1) 25   2) 15   3) 20
    4) 30   5) None of these

84. $35154 - 20465 - 5201 = ?$
    1) 9488   2) 9844   3) 9484
    4) 9848   5) None of these

85. $\frac{8}{13} \div \frac{192}{559} = ?$

    1) $1\frac{19}{24}$ 2) $4\frac{19}{28}$ 3) $2\frac{17}{28}$

    4) $3\frac{17}{2}$ 5) None of these

86. $243 \times 124 - 25340 = ?$
    1) 4729   2) 4792   3) 4972
    4) 4927   5) None of these

87. $92 \div 8 + 2 = ?$
    1) 4.75   2) 5.75   3) 4.25
    4) 5.25   5) None of these

88. $(121)^3 \times 11 \div (1331)^2 = (11)^?$
    1) 3   2) 2   3) 1
    4) 0   5) None of these

89. $283.56 + 142.04 + 661.78 = ?$
    1) 1084.28   2) 1087.28   3) 1080.38
    4) 1082.48   5) None of these

90. $7028 \div 25 = ?$
    1) 218.12   2) 281.21   3) 218.21
    4) 282.12   5) None of these

91. $390.5 \times \sqrt{?} = 284 \times 22$

    1) $(256)^2$ 2) 16   3) $\sqrt{16}$
    4) 256   5) None of these

92. $12.5 \times 8.4 \times 7.6 = ?$
    1) 787   2) 788   3) 799
    4) 789   5) None of these

93. $4477 \div (44 \times 5.5) = ?$
    1) 24.5   2) 21.5   3) 16.5
    4) 18.5   5) None of these

94. 33.5% of 250 = ?
    1) 76.25   2) 82.25   3) 78.75
    4) 83.75   5) None of these

95. $\frac{1}{2}$ of $\frac{3}{5}$ of $\frac{4}{9}$ of 5820 = ?

    1) 766   2) 777   3) 776
    4) 767   5) None of these

96. 12 men alone can complete a piece of work in six days, whereas 10 men and 21 women take three days to complete the same piece of work. In how many days can 12 women alone complete the same piece of work?
    1) 10   2) 9   3) 11
    4) 8   5) None of these

97. The owner of an electronic store charges his customer 11% more than the cost price. If a customer paid ₹1,33,200 for an LED TV, what was the original price of the TV?
    1) ₹1,20,000   2) ₹1,14,500   3) ₹1,22,500
    4) ₹1,18,000   5) None of these

98. The average age of a woman and her daughter is 19 years. The ratio of their ages is 16:3. What is the age of the daughter?
    1) 9 years   2) 3 years   3) 12 years
    4) 6 years   5) None of these

99. If the fractions $\frac{3}{5}$, $\frac{1}{4}$, $\frac{5}{6}$, $\frac{7}{9}$ and $\frac{8}{11}$ are arranged in ascending order of their values, which of the following will come at the third position?

    1) $\frac{5}{6}$ 2) $\frac{3}{5}$ 3) $\frac{7}{9}$

    4) $\frac{8}{11}$ 5) None of these

100. A car covers a certain distance in three hours at the speed of 124 km/hr. What is the average speed of a truck which travels a distance of 120 km less than the car in the same time?
    1) 88 km/hr   2) 84 km/hr   3) 78 km/hr
    4) 73 km/hr   5) None of these

101. The cost of four calculators and two stencils is ₹6,200 What is the cost of ten calculators and five stencils?
    1) ₹15,500   2) ₹14,875   3) ₹16,200
    4) Cannot be determined   5) None of these

102. Find the average of the following set of scores:
    214, 351, 109, 333, 752, 614, 456, 547
    1) 482   2) 428   3) 444
    4) 424   5) None of these

103. The average of four consecutive odd numbers A, B, C and D is 54. What is the product of A and C?
    1) 2907   2) 2805   3) 2703
    4) 2915   5) None of these

104. The sum of 55% of a number and 40% of the same number is 180.5. What is 80% of that number?
    1) 134   2) 152   3) 148
    4) 166   5) None of these

105. There are 950 employees in an organisation, out of which 28% got promoted. Find the number of employees who got promoted.
    1) 226   2) 256   3) 266
    4) 216   5) None of these

106. What is the least number to be added to 3000 to make it a perfect square?
    1) 191   2) 136   3) 25
    4) 84   5) None of these

107. What would be the compound interest obtained on an amount of ₹7,640 at the rate of 15 pcpa after two years?
    1) ₹2,634.9   2) ₹2,643.9   3) ₹2,364.9
    4) ₹2,463.9   5) None of these

108. In an examination it is required to get 65% of the

aggregate marks to pass. A student gets 847 marks and is declared failed by 10% marks. What is the maximum aggregate marks a student can get?

1) 1450   2) 1640
3) 1500   4) Cannot be determined
5) None of these

109. A juice centre requires 35 dozen guavas for 28 days. How many dozen guavas will it require for 36 days?

1) 50   2) 52   3) 40
4) 45   5) None of these

110. Mohan sold an item for ₹4,510 and incurred a loss of 45%. At what price should he have sold the item to have earned a profit of 45%?

1) ₹10,900   2) ₹12,620
3) ₹11,890   4) Cannot be determined
5) None of these

111. What will come in place of both the question marks (?) in the following question?

$$\frac{(?)^{1.5}}{288} = \frac{6}{(?)^{1.5}}$$

1) 6   2) 12   3) 7
4) 14   5) None of these

112. What would be the circumference of a circle whose area is 745.36 sq cm?

1) 94.4 cm   2) 88.8 cm   3) 96.3 cm
4) 87.4 cm   5) None of these

Directions (Q. 113-115): What will come in place of question mark (?) in the following number series?

113. 5   15   35   75   155   (?)

1) 295   2) 315   3) 275
4) 305   5) None of these

114. 3   6   18   72   360   (?)

1) 2160   2) 1800   3) 2520
4) 1440   5) None of these

115. 688   472   347   283   256   (?)

1) 236   2) 229   3) 255
4) 248   5) None of these

Directions (Q. 116-120): In each of these questions, an equation is given with a question mark (?) in place of correct figure on the right hand side which satisfies the equality. Based on the values on the left hand side and the symbol of equality given, you have to decide which of the following figures will satisfy the equality and, thus, come in place of question mark.

Symbols stand for

>   greater than
=   equal to
<   lesser than
≥   either greater than or equal to
≤   either lesser than or equal to

116. $-[\{92 + 184\} \times 1.5] < (?)$

1) -0.7 2) -0.753 3) -0.8
4) -0.75 5) -0.82

117. $[\{84 - (3)^2\} \times 10] > (?)$

1) $(\sqrt{784})^2$ 2) $(28)^2$ 3) 750
4) 751.5   5) 749.9

118. $[85 - \{58 - 76\}] \geq (?)$

1) -103 2) $\sqrt{103}$ 3) ± 51.5
4) $(51.5)^2$ 5) ± 103

119. $-[\{\sqrt{324} - \sqrt{256}\} \times -4.5] = (?)$

1) -7 2) 8   3) -8
4) 9   5) -9

120. $\pm [\{81 \div 6\} + \{45 \div 2\}] \leq (?)$

(1) $\sqrt{36}$ (2) $-\sqrt{1296}$ (3) $\sqrt{1296}$
(4) -36 (5) 1296

Test-IV: General Awareness

121. USA has asked India to reduce its dependence on crude oil supply from which of the following countries which is also a member of OPEC?

1) Venezuela   2) Iraq   3) Libya
4) Iran   5) Nigeria

122. Which of the following is the most essential financial service which should be provided to the poor people to bring them into the network of financial inclusion?

1) Insurance for life
2) Investment plan for future
3) Pension for old age
4) A bank account where he/she can save small amount
5) Health insurance for minor illnesses and hospitalisation in case of need

123. Who among the following is the president of a country at present?

1) Rupert Murdoch   2) Ban ki-moon
3) Yoshihiko Noda   4) Nicolas Sarkozy
5) None of these

124. What does the letter F denote in 'NBFCs', a term seen very frequently in banking world these days?

1) Formal   2) Fiscal   3) Federal
4) Functional   5) Financial

125. Who among the following is the Deputy Governor of the RBI at present?

1) Sunil Mitra   2) Azim Premji
3) HR Khan   4) Sushma Nath
5) None of these

126. Standard and Poor's is a Credit Rating Agency of international repute. Which of the following is one such agency of Indian origin?

1) IBA   2) BASEL   3) SEBI
4) IRDA   5) CRISIL

127. Who among the following is the chief minister of Uttar Pradesh at present?

1) Akhilesh Yadav   2) Mulayam Singh Yadav
3) Mayawati   4) Amar Singh
5) None of these

128. Coin of which of the following denominations is called Small Coin?
    1) ₹1
    2) ₹2
    3) ₹5
    4) 50 paise
    5) ₹10

129. Which of the following is not a highlight of the Union Budget 2012-13?
    1) No change in the rate of Corporate Tax
    2) All types of loans upto ₹35 lakh will be given on 6% interest only.
    3) Service Tax raised from 10% to 12%
    4) Fiscal Deficit is targeted at 5.1% of GDP
    5) Substantial increase in Defence Budget

130. Which of the following services/products of banks is specially designed and launched to help students?
    1) Personal loan
    2) Corporate loan
    3) Business loan
    4) Medical loan
    5) Education loan

131. Which of the following terms is not directly associated with the functioning of RBI?
    1) Open Market Operations
    2) Cash Reserve Ratio
    3) SENSEX
    4) Liquidity Adjustment Facility
    5) Public Debt Office

132. Which of the following is one of the major activities of the National Bank for Agriculture and Rural Development (NABARD)?
    1) On-site inspection of Cooperative Banks and Regional Rural Banks (RRBs)
    2) Helping Govt of India in preparing Union Budget and presenting it in the cabinet meeting
    3) Acting as custodian of the foreign exchange reserves of the country
    4) Deciding rate of interest on Savings Bank Accounts in Public Sector Banks
    5) Representing India in World Bank and other such agencies

133. Dipika, who won Crocodile Challenge Cup Finals, in December 2011, is a famous
    1) Badminton player
    2) Table Tennis player
    3) Lawn Tennis player
    4) Chess player
    5) Squash player

134. Who among the following is the recipient of Nobel Prize in Literature given in 2011 ?
    1) Bruce A Beutler
    2) V S Naipaul
    3) Tomas Transtromer
    4) Ralph M Steinman
    5) Chetan Bhagat

135. The 59th National Film Award for Best Actress was given to
    1) Vidya Balan
    2) Kareena Kapoor
    3) Priyanka Chopra
    4) Lara Dutta
    5) Roopa Ganguly

136. Which of the following is the abbreviated name of the body/agency set up to boost foreign investments in India?
    1) FOREX
    2) FCCB
    3) FIPB
    4) FEMA
    5) AITAF

137. Which of the following is not considered infrastructural sector of the economy?
    1) Electricity
    2) Textile Sector
    3) Telecom
    4) Cement
    5) Road and Railways

138. Sachin Tendulkar made his 100th century in the match played between India and
    1) Pakistan
    2) England
    3) Australia
    4) Bangladesh
    5) Sri Lanka

139. Who among the following was awarded Padma Vibhushan in 2012?
    1) TV Rajeswar
    2) Aruna Irani
    3) AR Rahman
    4) Shabana Azmi
    5) Anup Jalota

140. Which of the following countries is a member of BRICS?
    1) Bhutan
    2) Iran
    3) Romania
    4) Sudan
    5) South Africa

141. Which of the following countries has recently placed its first Space lab 'Tiangong - 1' into orbit?
    1) North Korea
    2) Japan
    3) India
    4) France
    5) China

142. Who among the following is the Solicitor General of India at present?
    1) Jacob Mathew
    2) Rohinton Nariman
    3) Gopal Subramaniam
    4) Ashok Chawla
    5) None of these

143. Which of the following schemes has been launched by the Govt of India to motivate school children to attend school regularly?
    1) Kutir Jyoti
    2) Mid-Day Meal
    3) MGNREGA
    4) RAY
    5) Bharat Nirman

144. As per the news published in various newspapers, govt is planning to set up a regulatory body in educational field especially for
    1) Higher Education
    2) Medical Education
    3) Elementary Education
    4) Secondary Education
    5) Adult Education

145. Which of the following countries has been selected as the host of Commonwealth Games 2018?
    1) India
    2) Australia
    3) Pakistan
    4) South Africa
    5) Sri Lanka

146. France has agreed to supply 'Rafale' to India. The deal is about the supply of
    1) Warships
    2) RADAR system
    3) Fighter Aircrafts
    4) Nuclear Reactors
    5) Submarines

147. Seychelles, where China is going to set up its new military base, is a country in the
    1) Bay of Bengal
    2) China Sea
    3) Indian Ocean
    4) Red Sea
    5) Caspian Sea

148. Which of the following terms is used in the field of economics?
    1) Absolute Zero
    2) Molecular Equation
    3) Zero Point Energy
    4) Balance of Payments
    5) Mass Defect

149. 'Kyoto Protocol', an agreement signed by various countries, is associated with the field of
    1) International trade
    2) Clean environment and climate change
    3) Currency swap
    4) Deep sea mining and oil exploration
    5) Building a common food stock to save mankind in case of any natural calamity

150. World AIDS Day is observed on which of the following days?
    1) 1st December 2) 1st March 3) 1st April
    4) 1st May 5) 1st January

151. USA decided to withdraw its army from which of the following countries after a nine–year long stay?
    1) Afghanistan 2) Libya 3) Egypt
    4) Iraq 5) Iran

152. Which of the following cups/trophies is associated with the game of Lawn Tennis?
    1) FIFA Cup 2) Champions Trophy
    3) Ranji Trophy 4) Subroto Cup
    5) Davis Cup

153. Which award is given to the coaches of sportspersons?
    1) Dronacharya Award 2) Arjuna Award
    3) Kalidas Samman 4) Rajiv Gandhi Khel Ratna
    5) Saraswati Samman

154. Which of the following terms is used in the game of Cricket?
    1) Heave 2) Silly Point 3) Tee
    4) Smash 5) Grand Slam

155. A new nuclear power plant is being set up in which of the following places in India?
    1) Amethi 2) Firozabad 3) Jaitapur
    4) Joshi Math 5) Satna

156. Which of the following schemes has been launched to make cities of India slum-free?
    1) Jawaharlal Nehru National Urban Renewal Mission
    2) Bharat Nirman 3) Rajiv Awas Yojana
    4) Indira Awas Yojana 5) None of these

157. Who among the following is a famous author of Indian origin?
    1) Homi K Bhabha 2) Kiran Desai
    3) Swati A Piramal 4) Shabana Azmi
    5) Ronen Sen

158. Who among the following has written the famous book *Malgudi Days*?
    1) VS Naipaul 2) Deepak Chopra
    3) Rabindranath Tagore 4) Vijay Tendulkar
    5) RK Narayan

159. Which of the following is NOT the name of the currency of a country?
    1) Rand 2) Pound 3) Dinar
    4) Ecuador 5) Dollar

160. Which of the following is the unit of heat?
    1) Joule 2) Ohm 3) Ampere
    4) Volt 5) Newton

Test-V: Computer Knowledge

161. What is backup?
    1) Adding more components to your network
    2) Protecting data by copying it from the original source to a different destination
    3) Filtering old data from the new data
    4) Accessing data on tape
    5) Using earlier data

162. The legal right to use software based on specific restrictions is granted via a
    1) software privacy policy
    2) software license
    3) software password manager
    4) software log
    5) None of these

163. What is an e-mail attachment?
    1) A receipt sent by the recipient
    2) A separate document from another program sent along with an e-mail
    3) A malicious parasite that feeds on your messages and destroys the contents
    4) A list of CC or BCC recipients
    5) A friend to whom e-mail is sent regularly

164. Which of the following is the type of software that controls the internal operations in the computer and controls how the computer works with all its parts?
    1) Shareware 2) Public domain software
    3) Application software 4) Operating system software
    5) None of these

165. When data changes in multiple lists and all lists are not updated, this causes
    1) data redundancy 2) information overload
    3) duplicate data 4) data consistency
    5) data inconsistency

166. What is the main folder on a storage device called?
    1) Root directory 2) Interface 3) Device driver
    4) Platform 5) Main directory

167. To view information on the Web you must have a
    1) cable modem 2) Web browser
    3) domain name server 4) hypertext viewer
    5) None of these

168. A file is often referred to as a
    1) wizard 2) document 3) pane
    4) device 5) documentation

169. To protect yourself from computer hacker intrusions you should install a
    1) firewall 2) mailer 3) macro
    4) script 5) None of these

170. What type of computers are client computers (most of the time) in a client-server system?
    1) Mainframe 2) Mini-computer
    3) Microcomputer 4) PDA
    5) None of these

171. What happens when you boot up a PC?
    1) Portions of the operating system are copied from disk into memory.
    2) Portions of the operating system are copied from memory onto disk.
    3) Portions of the operating system are compiled.
    4) Portions of the operating system are emulated.
    5) The PC gets switched off.

172. Linux is an example of
    1) freeware
    2) open source software
    3) shareware
    4) complimentary
    5) None of these

173. Which of the following software applications would be the most appropriate for performing numerical and statistical calculations?
    1) Database
    2) Document processor
    3) Graphics package
    4) Spreadsheet
    5) PowerPoint

174. A _____ is used to read handwritten or printed text to make a digital image that is stored in memory.
    1) printer
    2) laser beam
    3) scanner
    4) touchpad
    5) None of these

175. You organise files by storing them in
    1) archives
    2) lists
    3) indexes
    4) folders
    5) None of these

176. A _____ is a pre-designed document that already has coordinating fonts, a layout, and a background.
    1) guide
    2) model
    3) ruler
    4) template
    5) design-plate

177. What is the default file extension for all Word documents?
    1) WRD
    2) TXT
    3) DOC
    4) FIL
    5) WD

178. Removing and replacing devices without turning off your computer is referred to as
    1) Hot swapping
    2) Plug-n-Play
    3) Bay swap
    4) USB swapping
    5) None of these

179. Specialised programs that assist users in locating information on the Web are called
    1) information engines
    2) locator engines
    3) web browsers
    4) resource locators
    5) search engines

180. Compiling creates a(n)
    1) error-free program
    2) program specification
    3) subroutine
    4) algorithm
    5) executable program

181. Expansion cards are inserted into
    1) slots
    2) peripheral devices
    3) the CPU
    4) the back of the computer
    5) None of these

182. A device that connects to a network without the use of cable is said to be
    1) distributed
    2) non-wired
    3) centralised
    4) open source
    5) wireless

183. A complete electronic circuit with transistors and other electronic components on a small silicon chip is called a(n)
    1) workstation
    2) CPU
    3) magnetic disk
    4) integrated circuit
    5) complex circuit

184. Junk e-mail is also called
    1) crap
    2) spoof
    3) sniffer script
    4) spool
    5) spam

185. A program designed to destroy data on your computer which can travel to "infect" other computers is called a
    1) disease
    2) torpedo
    3) hurricane
    4) virus
    5) infector

186. _____ shows the files, folders, and drives on your computer, making it easy to navigate from one location to another within the file hierarchy.
    1) Microsoft Internet Explorer
    2) Windows Explorer
    3) My Computer
    4) Folders Manager
    5) Windows Locator

187. The _____ manual tells you how to use a software program.
    1) documentation
    2) programming
    3) user
    4) technical
    5) designer

188. A collection of interrelated records is called a
    1) utility file
    2) management information system
    3) database
    4) spreadsheet
    5) datasheet

ANSWERS:

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