REASONING

Directions (1-5): In each of the following questions, relationship between different elements is shown in the statement. These statements are followed by two conclusions numbered I and II. Read both the statements and select the appropriate answer.

Give answer (1) if both the Conclusions I and II are true

Give answer (2) if only the Conclusion I or Conclusion II is true

Give answer (3) if neither Conclusion I nor Conclusion II is true

Give answer (4) if either Conclusion I or Conclusion II is true

Give answer (5) if only Conclusion I is true

(1-2) : **Statements** :
M > N > X > R > T ≥ S > Q

1. **Conclusions** :
   I. K < V
   II. R > T

2. **Conclusions** :
   I. X < R
   II. Q < X

3. **Statements** :
   P < E < R > F; E > R; K < T
   Conclusions :
   I. T > R
   II. K < R

4. **Statements** :
   N < D < K > S; R < T
   Conclusions :
   I. V < D
   II. S > Q

5. In an certain code, PARTICLE is written in USIRQFMDJ and GENERATE is written as FDF-

HFUBS, how is DOCUMENT written in that code?
(1) VDEPFONF
(2) YDPFNFUG
(3) VDPFGOVN
(4) PEUVDNOF
(5) None of these

7. In a class of 40 children, Sunetra's rank is eighth from the top. Sujit is five ranks below Sunetra. What is Sujit's rank from the bottom?
(1) 32   (2) 36
(3) 29   (4) 30
(5) Other than those given as options

Directions (8-9) : Study the following information carefully and answer the questions given below :

L, M, N, O and P are five different poles, each of different length. L is longer than only N. O is bigger than only P. L is shorter than only one pole. The shortest pole is P & and that of the second tallest pole is Q & b.

8. Which of the following poles is the third tallest?
(1) M
(2) Cannot be determined
(3) N
(4) O
(5) L

9. According to the given arrangement, which of the following combinations of pole and length is correct?
(1) N – 14 ft
(2) P – 12 ft
(3) L – 10 ft
(4) Q – 15 ft
(5) Other than those given as options

10. It is sister of M. M is brother of T. K is the mother of K. K is mother of M. How is R related to D ?

(1) Daughter
(2) Sister
(3) Mother
(4) Other than those given as options
(5) Sister
(5) Data Inadequate

Directions (11 - 15) : Each of the following questions 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 mark the appropriate answer.

Mark 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.

Mark 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.

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

Mark answer (5) if the data in statement I alone or in statement II alone are sufficient to answer the question.

Mark answer (4) if the data in both statements I and II together are not sufficient to answer the question.

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

11. P, Q, R, S and T are sitting around a circle facing towards the centre of the circle. Who is to the immediate right of T ?
   I. Q and S are in the same respective sequence to the immediate left of T.
   II. P is between S and T.

12. How many dresses does 'P'

I. P has two dresses less than
   what U has.
II. M has seven dresses, which
    are thirty pieces less than
    what T has.

13. How is 'smoking' written in a
    code language?
    1. 'Thanks for not smoking' is
       written as 'le je we no' in
       that code language.
    2. 'No Smoking Area' is writ-
       ten as 'no se du' in that
       code language.

14. Who is the youngest among A,
    B, C, D and E?
    I. B is younger than C and D.
    II. A is younger than C but
        older than E.

15. How many sons does P have?
    I. C is the brother of B and
       E.
    II. P has three children of
        which B is a girl.

Directions (16-20) : Study the
following information carefully and
answer the questions given below :
In a certain code language,
'capital cities are crowded' is
written as 'ja sb pt be'
'crowded cities create chaos' is
written as 'sb be nt ra'
'huge industries create capital' is
written as 'da pt tk ka'
'industries are huge chaos' is
written as 'ja ra ka nt'

(All the codes are two letter
codes.)

16. What is the code for 'create'
    in the given code language?
    (1) ja   (2) da
    (3) nt   (4) ra
    (5) sb

17. What does 'ra' stand for in the
    given code language?
    (1) chaos   (2) capital
    (3) huge   (4) create
    (5) crowded

18. What does 'ka' stand for in the
    given code language?
    (1) either 'cities' or 'crowded'
    (2) cities
    (3) crowded
    (4) chaos

19. Which of the following possi-
    bly means 'crowded metro cit-
    ies' in the given code lan-
    guage?
    (1) sb be ju   (2) sb be ka
    (3) sb ka nt   (4) na nt pt be
    (5) sb un be

20. What is the code for 'capital'
    in the given code language?
    (1) pt   (2) ja
    (3) be   (4) sb
    (5) ra

21. Pointing to a woman, Mr.
    Suresh said, she is the daugh-
    ter of my grandfather's only
    daughter. How is Suresh re-
    lated to the woman?
    (1) Cousin   (2) Brother
    (3) Other than those given as
        options
    (4) Father
    (5) Cannot be determined

Directions (22-25) : Study
the following information careful-
ly and answer the questions given
below :

Eight persons – S, T, U, V,
W, X, Y and Z are seated in a
straight line but not necessarily in
the same order. some of them are
facing south while some are facing
North. S sits fourth to left of X. X
sits at one of the extreme end of
the line. Both the immediate neigh-
bours of S face north. T sits sec-
ond to left of S. Z is not an imme-
diate neighbour of S. Neither S nor
U sits at the extreme end of the line.
Both the immediate neighbours of
U face north. W sits to immediate
left of V. immediate neighbours of
V face opposite direction (i.e. if
one neighbour of V faces north then
the other faces south and vice –
versa). immediate neighbours of T
face opposite directions (i.e. if one
neighbour of T faces north then the
other faces south and vice–versa).
People sitting at the extreme ends
face the same directions (i.e. if one
person faces North then the other
also faces north and vice–versa).

22. Which of the following pairs
    represents immediate neigh-
    bours of the persons seated at
    the two extreme ends of the
    line?

(1) U, Z   (2) T, Y
(3) W, Y   (4) Y, Z
(5) S, T

23. How many persons are seated
    between T and X ?
    (1) Four
    (2) More than four
    (3) One   (4) Three
    (5) Two

24. If each of the persons is made
    to sit in alphabetical order
    from right to left the positions
    of how many will remain un-
    changed as compared to the
    original seating arrangement?
    (1) One   (2) Two
    (3) Four   (4) None
    (5) Three

25. Who amongst the following
    sits exactly between Z and T?
    (1) U   (2) V
    (3) Y   (4) X
    (5) W

Directions (26-30) : In each
of the following questions three
statements followed by two conclu-
sions numbered I and II have been
given. You have to consider the giv-
en statements to be true even if they
seem to be at variance with the
commonly known facts and then
decide which of the given conclu-
sions logically follows from the giv-
en statements disregarding com-
monly known facts.

Give answer (1) if only the
Conclusion I and II follow
Give answer (2) if either Con-
clusion I or Conclusion II follows
Give answer (3) if neither Con-
clusion I nor Conclusion II follows
Give answer (4) if only Con-
clusion I follows
Give answer (5) if only Con-
clusion II follows

26. **Statements :**
    No meeting is an argument.
    All debates are arguments.
    Some debates are fights.
    Conclusions :
    I. No fight is a meeting.
    II. Some fights are meetings.

27. **Statements :**
    All hands are limbs.
    All limbs are fingers.
    Some fingers are thumbs.

Conclusions :
Some thumbs being limbs is a possibility.
II. All hands are fingers.

28. **Statements :**
All teams are captains.
All members are teams.
No member is a captain.
Conclusions :
I. Atleast some participants are members.
II. All teams being captains is a possibility.

29. **Statements :**
Some slopes are mountains.
No mountain is a river.
Some rivers are ponds.
Conclusions :
I. All ponds being mountains is a possibility.
II. All slopes being rivers is a possibility.

30. **Statements :**
No gate is a door.
All doors are walls.
No wall is a ceiling.
Conclusions :
I. Atleast some gates are ceilings.
II. No gate is a wall.

31. **Statement -** Company A has approached the government with a proposal to build road and other infrastructure for providing transport facilities in area X.
Which of the following could possibly lead the government to turn down the proposal forwarded by Company A?

(1) Residents of Area X and its adjoining areas have to walk for several kilometres to seek transport facilities.

(2) Company B which had undertaken similar projects earlier had failed to build good quality roads in the area.

(3) Although, area X is in dire need of road and infrastructure facilities, any company which undertook it would not make huge profits in the long run.

(4) Area X is a land with very low economic productivity and negligible residents.

(5) Area X is the unofficial hub for transportation of agriculture goods from State A to State B.

32. If in the word EQUALITY, the positions of first and the fifth letters are interchanged, similarly the positions of the second and the sixth letters are interchanged and so on, which letter will be third from the right end?
(1) I   (2) U
(3) Q   (4) E
(5) L

33. How many such pairs of letters are there in the word RE-FRESHING each of which has as many letters between them (in both forward and backward directions) in the word as they have in the English alphabet?
(1) Three   (2) One
(3) Two   (4) None
(5) More than three

Direction (34-38) : Study the following information carefully and answer the questions given below :

∠ is the father of T. P is the brother of ∠. L is the mother of V. V is the brother of T. T is mother of S. T is the daughter-in-law of S.

34. How is ∠ related to S?
(1) Uncle   (2) Brother
(3) Grand-father
(4) Cousin
(5) Father

35. How is W related to P?
(1) Son   (2) Niece
(3) Cannot be determined
(4) Grandson
(5) Uncle

36. If in the word ISOLATE, all the consonants are replaced by the previous letter in the alphabet and all the vowels are replaced by the next letter and then all the letters are arranged alphabetically,

which letter will be third from the right end?
(1) G
(2) D
(3) Other than those given as options

37. If in the number 38564927, first all the even digits are arranged in ascending order and then all the odd digits are arranged in ascending order which digit will be fourth from the right end?
(1) 9
(2) 5
(3) 4
(4) Other than those given as options
(5) 6

38. How many meaningful English words can be made from the letters IMST, using all the letters but each letter only once in each word?
(1) None   (2) One
(3) Three   (4) Four
(5) Two

39. In a row of children facing north, Neeta is fifteenth from the left end of the row. If she is shifted towards the right end of the row by four places, she becomes eighth from the right end. How many children are there in the row?
(1) 34   (2) 33
(3) Other than those given as options
(4) 37   (5) 36

40. **Statement -** The migration of aviation has ordered to procure 26 new aircraft to be added to the existing fleet this year.
Which of the following most appropriately proves that the decision taken by the aviation minister is unrealistic and not based on scientific projections?
(1) A recent survey showed that the existing aircraft in the fleet fail to match the international standards and quality norms.

(2) These new aircraft have better technology and greater number of seats as compared to ones already existing in the fleet.

(3) The neighbouring country which also procured aircraft lacked enough number of trained pilots.

(4) As the number of passengers has declined significantly this year, the existing fleet is not being used to full potential.

(5) As many as 12 pilots are not on flying duties for two straight weeks due to lack of sufficient aircraft to ply on the route.

Directions (41-48): Study the following information carefully and answer the questions given below:

M, T, S, P, H, N and W are seven students studying in three different colleges I, II and III with atleast two in each college. Each of them has a favourite subject from – English, History, Geography, Mathematics, Physics, Chemistry and Biology, not necessarily in the same order.

S's favourite subject is Physics and studies in College II with only M. H does not study in College I and he likes English. P studies in College III and does not like Mathematics. Those who like Geography and Chemistry study in the same college. W likes Biology and does not study with H. N does not like History. M does not like either...

41. What is M's favourite subject?
(1) Geography
(2) Chemistry
(3) Data Inadequate
(4) Mathematics
(5) Other than those given as options

42. In which college do three of them study?
(1) II
(2) III
(3) I
(4) Data Inadequate
(5) Other than those given as options

43. Which of the following groups of students studies in college II?
(1) PTS
(2) FWR
(3) PN
(4) PM
(5) Other than those given as options

44. What is T's favourite subject?
(1) Biology
(2) Mathematics
(3) Geography
(4) History
(5) Other than those given as options

45. Which of the following groups of students study in college I?
(1) TH
(2) HA
(3) TN
(4) HF
(5) Other than those given as options

46. Eight towns A, B, C, D, E, F, G and H are sitting around a circle facing the centre. D is sitting between B and G. F is sitting second to H's left. A is at second place right to A. What is the position of J?
(1) Left to F
(2) Right of T
(3) Between E and F
(4) Cannot be determined
(5) Other than those given as options

Directions (47-50): Study the following information carefully and answer the questions given below:

When a word and number arrangement machine given an input line of words and numbers, it rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers)

Input : talk 47 12 rise at 99 75
32 wise joke high 28 54

Step I : 12 talk 47 rise 99 75 32
wise joke high 28 54 at

Step II : 12 28 talk 47 rise 99 75
32 wise joke high 54 at
be

Step III : 32 28 12 talk 47 rise 99
75 wise joke 54 at be high
joke

Step IV : 47 32 28 12 talk rise 99
75 wise 56 at be high joke
wise

Step V : 56 47 32 28 12 talk 99
75 wise at be high joke rise
talk

Step VI : 75 56 47 32 28 12 99
wise at be high joke rise
talk wise

Step VII : 99 75 56 47 32 28 12 at
be high joke rise talk
wise

Step VII is the last step of the above rearrangement as the desired arrangement is obtained.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input : 85 why sat 14 32 no be
ink kerl 50 27 van 67 92

47. Which step number is the following output?
32 27 14 85 why sat no 50
van 67 92 be kerl ink
(1) Step V
(2) Step VI
(3) Step IV
(4) Step II
(5) Other than those given as options

48. Which word/number would be at fifth position from the right in Step V?
(1) 14
(2) 92
(3) no
(4) 50
(5) sat

49. How many elements (words or numbers) are there between 'feet' and '32' as they appear in the last step of the output?
(1) Three
(2) Four
(3) One
(4) Two
(5) Two

50. Which of the following represents the position of 'why' in the fourth step?
(1) Eighth from the left
(2) Fifth from the right
(3) Sixth from the left
(4) Fifth from the left
(5) Sixth from the right

ENGLISH LANGUAGE

Direction (51-55): In the given sentences there are two-blank spaces. Below each sentence five pairs of words have been given. Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make the sentence meaningfully complete.

51. The incident has _____ to see damage to the _____ of the employees.
1. (1) resulted — optimism
2. (2) led — remains
3. (3) produced — conduct
4. (4) contributed — integrity
5. (5) caused — morale

52. _____ investing in technology, the company has been _____ to compete globally.
1. (1) For — trying
2. (2) Despite — gradual
3. (3) While — clear
4. (4) Since — unable
5. (5) By — able

53. For the _____ of slow reduction in poverty is _____ of an imbalanced situation.
1. (1) purpose — increase
2. (2) reason — hike
3. (3) cause — lack
4. (4) effect — incidence
5. (5) consequence — change

54. Emerging India has _____ its success to the fact that he is well _____.
1. (1) believed — adjusted
2. (2) doubted — adjusted
3. (3) attributed — educated
4. (4) attributed — connected
5. (5) rated — known

55. To _____ the problems of the region it is _____ to interact with the local people.
1. (1) discover — necessity
2. (2) understand — essential
3. (3) research — advice
4. (4) manage — needful
5. (5) find — helps

Directions (56-60): In the following questions, read the sentences to find out whether there is any error in it. The error, if any, will be in one part of the sentence. That part is the answer. If there is no error, Select 'No error' as the answer. (Ignore the error of punctuation, if any.)

56. Santosh succeed/ due to the encouragement/ of friends, relatives/ and well-wishers.
1. (1) Santosh succeed
2. (2) due to the encouragement
3. (3) of friends, relatives
4. (4) and well-wishers
5. (5) No error

57. One of the foremost/ challenging-is faced by/ the company is that of/ attracting and retaining talent.
1. (1) One of the foremost
2. (2) challenges faced by
3. (3) the company is that of
4. (4) attracting and retaining talent
5. (5) No error

58. We aren't bothered/ as long as/ they don't interfere/ with ours freedom.
1. (1) We aren't bothered
2. (2) as long as
3. (3) they don't interfere
4. (4) with ours freedom
5. (5) No error

59. The two-part documentary/ is a critique of the education system/and its reporting/on up-to-the minute of violence.
1. (1) The two-part documentary
2. (2) is a critique of the education system
3. (3) and its reporting
4. (4) on up-to-the minute of violence.
5. (5) No error

60. All the Airlines is/ using the increased awareness/ about security to impose a new/ code of conduct among passengers.
1. (1) All the Airlines is
2. (2) using the increased awareness
3. (3) about security to impose a new
4. (4) code of conduct among passengers
5. (5) No error

Directions (61-65): In the given sentences, one word has been given in bold. Below each sentence four words are suggested, one of which can replace the word given in **bold** without changing the meaning of the sentence. Find out the appropriate word in the given sentence.

61. The monastic place **relates** to the Mughal period.
1. (1) depicts
2. (2) seems
3. (3) pertains
4. (4) happens

62. Nitina's husband **compelled** her to give up her job.
1. (1) constrained
2. (2) forced
3. (3) restructured
4. (4) continued

63. Rahul played well in third **rank** in the competition.
1. (1) finish
2. (2) loud
3. (3) number
4. (4) establish

64. It was **evident** that the gold ring was stolen by the domestic servant.
1. (1) unknown
2. (2) reveal
3. (3) obvious
4. (4) proof

65. The sad turn resulted by the distressed woman **affected** everyone.
1. (1) contacted
2. (2) realised
3. (3) touched
4. (4) improved

Direction (66-75): Read the following passage carefully and answer the question given below it. Certain words are given in **bold** in the passage to help you to locate them while answering some of the questions.

In this passage relates to the Mughal period. The most beautiful land become sufficiently aware of both its rich historical heritage and the absent state of his current existence. Nostalgia and a sense of racial identity grew as Indians gradually perceived the oppressiveness of alien rule. In the early nineteenth century, Orientalist scholars associated with the Fort William College, Kolkata, helped considerably to unearth several obscure Indian texts and traditions, thereby, also creating a new awareness and sensitivity among Indians about their cultural heritage.

In the first half of the nineteenth century, particularly in some parts of the country, patriotism was expressed in an uncompromising and undisguised support for the restoration of British rule. Writers of

this period from that part of the country made repeated references to how the British had 'rescued' India from centuries of 'tyrannical' and 'unprogressive' governance of earlier rulers. Many people of this time, in fact, made an important distinction between the pragmatic gains to be made from a short-term **tutelage** under British rule and a long-term objective of securing independence from it. Through such thoughts ultimately proved to be **naïve** and over-optimistic, in the 1820s and 1830s the advantages of British rule seemed to outweigh its disadvantages. In a letter written in 1823 to Governor General Lord Amherst, an Indian social reformer Raja Rammohun Roy (1774-1833) opposed an official move to open a **Sanskrit** College on the ground that it would produce no positive or progressive influence on the Indian population as was then thought. Hindu. He felt rather than indulge in abstract metaphysical speculation as was likely to be the result of a purely Sanskritic education, Indians would profit far more by imbibing the best of modern European civilisation through education. His opposition to classical institutions of learning and a rational, scientific outlook. Social usefulness more than anything else, was now to be the true measure of things. In fact, his emphasis on rationality and a common sense approach to religion led some of his friends and admirers to call him a 'religious utilitarian'.

66. According to the passage, what was the contribution of early nineteenth century Orientalist scholars?
(1) Pointing out deficiencies in the study of Sanskrit
(2) Criticising the study of Indian texts and traditions
(3) Encouraging students to get admission in Fort William College
(4) Creating awareness and sensitivity about British rule
(5) Making Indians adequate-ly nostalgic

67. Choose the word which is most opposite in meaning to the word 'naïve' as used in the passage.

(1) abstract
(2) speculative
(3) hypothetical
(4) wise
(5) lasting

68. In the first half of the nineteenth century, writers from some parts of the country —
(1) started appreciating the work of Raja Rammohun Roy
(2) appreciated the British rule from rescuing India from the way it was ruled by previous rulers.
(3) proclaimed themselves as patriotic writers who could save India from cultural aggression
(4) realised the importance of careful and systematic study of ancient Indian texts.
(5) provided tacit but strong support to the liberation movement.

69. Which awareness had dawned on Indians by the mid nineteenth century?
(1) The long term advantages of British rule
(2) Rationalistic attitude towards living
(3) Rich historical heritage
(4) Only (1)
(5) Only (3) and (2)
(6) Only (3)
(7) Only (2)
(8) Only (3)

70. According to the passage what did Raja Rammohun Roy feel about pure Sanskrit education?
(1) It would imbibe the best of spiritual Indian civilisation.
(2) It would create awareness of our true cultural heritage.
(3) It would generate nostalgia and strong racial rhetoric.
(4) It would help release patriotism among people.
(5) It would spread abstract metaphysical education.

71. Choose the word which is most OPPOSITE in meaning to the word 'abject' as used in the passage.
(1) organised
(2) negative
(3) absolute
(4) space
(5) virtual

72. Which thoughts, according to the passage, proved imprudent and over-optimistic?
(1) It was better for India to have British rule to the short-term.
(2) Making a distinction between short-term and long-term objectives.
(3) The ideal of patriotism and gaining independence Indians.
(4) Indians would profit more by Sanskrit education.
(5) Racial identity is crucial for political independence.

73. According to the passage which of the following was opposed by Raja Rammohun Roy?
(1) Tradition of 'Sati' and child marriage.
(2) Interference of Indians in governance.
(3) Official move to open a Sanskrit language.
(4) Orientalist scholars joining Fort William College.
(5) Rapid growth of English as a principal medium of in-struction.

74. According to the passage, which factor brought a sense of racial identity among the Indians?
(1) Increasing understanding of the European education system.
(2) Economic equality among the people.
(3) Growing awareness of the British rule.
(4) Regional imbalance between India and its neigh-bours.
(5) Growing religious fundamentalism among the people.

75. Choose the word which is sim-ilar in meaning to the word 'tutelage' used in the pas-sage?

(1) protection
(2) measure
(3) planning
(4) contribution
(5) strategy

Directions (76–80): In the following questions, which of the phrases given below should replace the phrase given in bold in each sentence to make the sentence grammatically meaningful and correct? If the sentence is correct as it is and no correction is required, Select 'No correction required' as your answer.

76. According to our analysis, a location for the agriculture sector **being high from last year.**
(1) is as high
(2) is higher than
(3) was higher to
(4) can be high
(5) No correction required

77. He did not invest wisely and has lost his **entirely life savings.**
(1) entire life savings
(2) live savings entirely
(3) savings for entire life
(4) entire lifetime of savings
(5) No correction required

78. It would be worthwhile to educate teenagers about the consequences of **drinking to drive.**
(1) drunk for driving
(2) drunk and drive
(3) drink to drive
(4) drinking and driving
(5) No correction required

79. Hearing rumours of a fraud, investors **began to pull out** their money in panic.
(1) beginning to pull
(2) began putting in
(3) will begin to pulling
(4) began to pull out
(5) No correction required

80. There are a large number of **employees whom took** the option of voluntary retirement.
(1) who is taken
(2) which taken
(3) who took
(4) that will be taken
(5) No correction required

Directions (81–90): In the given passage, there are blanks, each of which has been numbered. Against each number, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Schools all over India **(81)** 'Children's Day' on 14th November every year. It was this day that our **(82)** first Prime Minister was **(83)**. He **(84)** had come down from Kashmir to rich pinne below. Kaul had been his **(85)** name. This changed to Kaul Nehru, and in **(86)** years. Kaul was **(87)** and he became simple Nehru. Jawaharlal Nehru was the **(88)** son of his prosperous parents. And as he grew up and spent his early years as a **(89)** child with no **(90)** of his age.

81. (1) consider (2) regard
(3) celebrate (4) enjoy
(5) respect

82. (1) great (4) only
(3) formerly (4) importantly
(5) arrogant

83. (1) decided (2) elected
(3) decide (4) selected
(5) born

84. (1) descendant
(2) ancestors (3) following
(4) colleague (5) off-spring

85. (1) false (2) rich
(3) family (4) oldest
(5) first

86. (1) after (2) after
(3) later (4) subsequently
(5) before

87. (1) forgot (2) dropped
(3) overlook (4) cancel
(5) fallen

88. (1) only (2) cool
(3) old (4) troubling
(5) rich

89. (1) feared (2) protective
(3) lonely (4) secure
(5) pampered

90. (1) competitions (2) associating
(3) play (4) partnership
(5) companion

QUANTITATIVE APTITUDE

91. If the present population of a state is 27500 and after 2 years it increases to 40,531, then what is the rate of increase per year?
(1) 5% (2) 7%
(3) 17% (4) 12%
(5) 22%

92. Train A which in 320m long can cross a pole in 16 seconds. If it halts 5 times each time for exactly 18 minutes, how many hours will it take to cover a distance of 57 km? (in hour)
(1) 8 (2) $10\frac{1}{2}$
(3) $8\frac{1}{2}$ (4) 12

93. Gita, Shweta and Sita invested Rs. 4200, Rs. 8400 and 5400 respectively while starting a business. At the end of the year, they earned a profit of Rs. 24,000. Sita invested 33% of her share of the profit in a saving scheme. How much amount is left with her?
(1) Rs. 5,432 (2) Rs. 4,324
(3) Rs. 6,899 (4) Rs. 4,899
(5) Rs. 4,898

94. In a class of 90 students and 3 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?
(1) 1200 (2) 1000
(3) Other than those given as option
(4) 1040 (5) 1500

Directions (95-99): Refer to the pie-chart and the table and answer the given questions.

Distribution of total number of shirts (linen and cotton) sold by 6 different stores in 2003

Total number of shirts sold - 84,000

Stores	Respective ratio of number of linen shirts to cotton shirts
A	7 : 5
B	8 : 7
C	11 : 7
D	8 : 5
E	7 : 9
F	7 : 3

95. What is the difference between average number of linen shirts sold by stores D and E together and average number of cotton shirts sold by the same stores together?
(1) 2890   (3) 3880
(2) 2940   (4) 3140
(5) 3000

96. What is the respective ratio between the number of shirts (linen and cotton both) sold by store C and number of linen shirts sold by store E?
(1) 32 : 31   (3) 30 : 41
(2) 40 : 49   (4) 20 : 29
(5) 31 : 36

97. Total number of cotton shirts sold by stores A and B together is what percent of the number of linen shirts sold by store E (both sold by store E?
(1) $62\frac{1}{2}$ (3) $67\frac{1}{2}$
(2) $61\frac{1}{2}$ (4) $68\frac{1}{2}$
(5) $64\frac{1}{2}$

98. What is the central angle corresponding to the number of

shirts (linen and cotton) sold by store E?
(1) 100.8°   (3) 96.4°
(2) 104.2°   (4) 98.8°
(5) 102.6°

99. Number of shirts (linen and cotton both) sold by store D is what percent more than the number of linen shirts sold by store D?
(1) 18   (3) 22
(2) 13   (4) 26
(5) 20

100. A bag contains 6 black and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white?
(1) $\frac{3}{4}$ (3) $\frac{4}{7}$
(2) $\frac{3}{7}$ (4) $\frac{4}{3}$
(5) $\frac{1}{8}$

101. The present ages of Ranjana and Rakhi are in the ratio of 15 : 17 respectively. After 6 years, the respective ratio between the age of Ranjana and Rakhi will be 9 : 10. What will be the age of Ranjana after 6 years?
(1) 30 years
(2) 24 years
(3) 45 years
(4) 36 years
(5) Other than those given as options

102. 40 years   (3) 34 years
(4) 30 years   (6) 36 years

102. The simple interest $p.a.$ accrued on an amount of Rs. 17,000 at the end of four years is Rs. 6,800. What would be the compound interest (compounded annually) accrued on the same amount at the same rate after two years?
(1) Cannot be determined
(2) Other than those given as options
(3) Rs. 3,570   (4) Rs. 3,260
(5) Rs. 3,980

103. In how many different ways can the letters of the word 'CANDIDATE' be arranged in such a way that the vowels always come together?
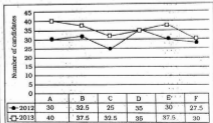(1) 4320   (3) 1440
(2) 720   (4) 840
(5) 1560

104. If 7 boys and 2 men working together can do three times as much work per hour as a boy and a man together, what will be the respective ratio of work done by a boy and a man for the given time?
(1) 3 : 1   (3) 2 : 1
(2) 1 : 3   (4) 1 : 2
(5) 3 : 2

Directions (105-109) : Refer to the graph and answer the given questions?

Data related to number of candidates appearing for an entrance test from various cities (in lakhs)

	A	B	C	D	E	F
2012	30	32.5	25	35	30	27.5
2013	40	34.5	30	37.5	35	30

108. What is the respective ratio of number of candidates appearing for the entrance test from (i) 2015 and (ii) 2013 and city X in the same year?
(1) 19 : 14 (2) 11 : 12
(3) 12 : 15 (4) 16 : 15
(5) 17 : 16

109. What is the average number of candidates appearing for the entrance test from all cities together in the year 2013?
(1) 35,00000 (2) 40,00000
(3) 31,00000 (4) 38,00000
(5) 43,00000

110. The number of candidates appearing for the entrance test from city D in the year 2016 is what percent more than the number of candidates appearing for the entrance test from city D in the year 2013?
(1) 7.7 (2) 8.2
(3) 6.7 (4) 9.2
(5) None of these

111. The number of candidates appearing for the entrance test from cities D, C and F in the year 2015 is what percent more than the number of students appearing for the entrance test in the year 2013 from the same cities?
(1) 18 : 19 (2) 15 : 14
(3) 11 : 12 (4) 17 : 20
(5) 15 : 19

112. What is the probability that a number selected from numbers 1, 2, 3, …., 30, is prime number, when each of the given numbers is equally likely to be selected?
(1) 3/30
(2) 9/30

(3) 10/30
(4) 11/30

111. Bhavana decided to donate 12% of her monthly salary to an orphanage. On the day of donation she changed her mind and donated Rs. 2,400 which was 125% of what she had decided earlier. How much is Bhavana's salary?
(1) Cannot be determined
(2) Other than those given as options
(3) Rs. 14,750
(4) Rs. 18,500
(5) Rs. 16,000

112. Gaurav spent Rs. 38460 on the renovation of his home. Rs. 24468 on buying home theatre and the remaining 20% of the total amount he had as cash with him. What was the total amount?
(1) Cannot be determined
(2) Rs. 76,500
(3) Other than those given as options
(4) Rs. 92,600
(5) Rs. 87,400

Directions (113-118) : Study the table to answer the questions that follow :

Total number of Employees working in Various Organisations

ORGANI-SATIONS	A	B	C	D	E
2001	247	238	197	325	432
2002	315	341	395	432	315
2003	412	243	406	244	369
2004	324	315	378	454	450
2005	356	432	417	324	369
2006	336	432	418	512	315

114. The total number of employees working in organisations A and E together in the year 2005 is what percent more than the number of employees working in organisation D in the same year? (rounded off to two places after decimal)
(1) 79.55 (2) 80.25
(3) 82.35 (4) 76.49
(5) Other than those given as options

115. What is the respective ratio between the number of employees working in organisation A in the year 2006 and the total number of employees working in Organisation X in the same year?
(1) 2 : 3 (2) 12 : 19
(3) 22 : 39 (4) 35 : 32
(5) Other than those given as options

116. The number of employees working in organisation C in the year 2004 is approximately what percent of the total number of employees working in various organisations in that year?
(1) 30 (2) 35
(3) 27 (4) 23
(5) 13

117. What is the difference between the total number of employees working in organisation B over the years 2001, 2002 and 2003 together and the total number of employees working in organisation E over the same years together?
(1) 133 (2) 138
(3) 135 (4) 131
(5) Other than those given as options

118. What is the average number of employees working in organisation B over the given years?
(1) 365 (2) 363
(3) 366 (4) 367
(5) 368

Directions (119-123) : What approximate value will come in place of the question mark in the given questions? You are not expected to calculate the exact value.

119.
(1) 315 (2) 351
(3) 328 (4) 309

110. $5003 \times 14.96 - 25.12 \div 7 = 12^2$
(1) 600
(2) 1000
(3) 1500
(4) 500

120. $1.95^3 + 5.05 + 15.01^3 \times 2.99$
(1) 1620
(2) 1280
(3) 1440
(4) 1385

121. $31.95^2 - 12.05^2 + (1987.25 + 21.83) \times 7 = 500$
(1) 115
(2) 100
(3) 105
(4) 110

122. $\dfrac{3}{5} \times \dfrac{4}{9}$ of $\dfrac{5}{12} \times 52\% = ?$
(1) 27 (2) 28
(3) 58 (4) 42

123. $3499.99 + 55.9 \times 54.94\%$ of $271 = ?$
(1) 620 (2) 560
(3) 540 (4) 680

Directions (124-128): Read the information given in the passage and answer the given questions.

"There are 'a' number of students in a college. Each of them likes either one or more of the following types of movies-Hollywood, Bollywood and Regional movies. The respective ratio of male and female students is 9 : 7.

16% of the male students only like Hollywood movies. 22% like only Bollywood movies. 12% like only Regional movies. 30% of the male students like only Hollywood and Bollywood movies and 6% like only Hollywood and Hollywood movies. The remaining 14 male students like all the three types of movies.

16% of the female students like only Hollywood movies. 20% like only Bollywood movies. 25% like only Regional movies. 20% of the female students like only Hollywood and Bollywood movies. 18% like only Bollywood and Regional movies and 10% like only Regional and Holly-

124. What is the difference between the number of male students who like Bollywood movies and number of female students who like the same?
(1) 69
(2) 59
(3) 49
(4) 65

125. Number of students (both male and female) who like all the given types of movies is **approximately** what percent of the number of female students who like only one of the given types of movies?
(1) 27 (2) 18
(3) 38 (4) 42

126. Number of male students who like only two of the given types of movies is what percent more than the number of female students who like only one of the given types of movies?
(1) $11\dfrac{3}{7}$ (2) $14\dfrac{2}{7}$
(3) $9\dfrac{2}{7}$ (4) $8\dfrac{5}{7}$
(5) 1374

127. What is the respective ratio between number of female students who like Hollywood movies and number of male students who like the same?
(1) 4 : 5
(2) 8 : 7
(3) 5 : 8
(4) 5 : 7
(5) 6 : 7

128. What is the value of 'x' mentioned in the passage?
(1) 800
(2) 900
(3) 600
(4) 650
(5) 720

129. The average height of 14 students in a class is 142 cm. If the height of the teacher is added the average increases by 1 cm. What is the height of the teacher in cm?
(1) 189
(2) 159
(3) 169
(4) 156
(5) 222

wood movies. The remaining female students like all the given types of movies.

130. A shopkeeper bought a table marked at Rs. 200 at successive discounts of 10% and 15% respectively. He spent Rs. 7 on transport and sold the table for Rs. 208. What will be his profit percentage?
(1) 17
(2) 19
(3) 12
(4) 15

131. Pipe A and B can fill a tank in 10 hours and 8 hours respectively. After certain time, pipe A was closed. It took a total of 8 hours to fill the tank completely. For how many hours did pipe A work?
(1) $4\dfrac{1}{2}$ hours
(2) $2\dfrac{1}{2}$ hours
(3) $3\dfrac{1}{2}$ hours
(4) $5\dfrac{1}{2}$ hours
(5) $6\dfrac{1}{2}$ hours

132. On walking at $\dfrac{3}{4}$ of his usual speed a man reaches his office 20 minutes late. What is the usual time taken by him in reaching his office?
(1) 75 minutes
(2) 60 minutes
(3) 40 minutes
(4) 30 minutes
(5) None of these

Directions (133-137): What will come in place of question marks (?) in the following number series?

133. 15 29 56 108 208 400
(1) 660 (2) 670
(3) 770 (4) 570
(5) 750

134. 13 -33 -54 -55 89 -194 ?
(1) 233 (2) 223
(3) 213 (4) 222
(5) 232

135. 133 183 241 307 381 663 ?
(1) 1057
(2) 521
(3) 435
(4) 801
(5) Other than those given as options

136. 1.21 1.44 1.69 1.96 2.25 2.56 ?
(1) 3.24
(2) 2.89
(3) 2.56
(4) 3.61
(5) Other than those given as options

137. 36 30 70 40 112 130 ?
(1) 150
(2) 225
(3) 156
(4) 210
(5) Other than those given as options

138. A committee of five members is to be formed out of 3 males, 4 females and 6 search associations. In how many different ways this can be done if the committee should have all the 4 profes- sion each 1 research associate and at all 3 trainee and 3 profes- sors?
(1) 12
(2) 18
(3) 36
(4) 8
(5) Other than those given as options

139. 30 litre mixture contains milk and water in the respec- tive ratio of 3 : 2. Then 10 li- tres of the mixture is removed and replaced with pure milk and the operation is repeated once more. At the end of the two two removals and replace- ments, what is the ratio of milk and water in the result- ant mixture respectively?
(1) 17 : 3
(2) 19 : 1
(3) 4 : 1
(4) 3 : 1
(5) Other than those given as options

140. A trader marks up his goods by 50%. However, he could sell only half of his stock at this price. The half of the remain- ing stock was sold at a discount of 20% and the remaining at a discount of 16.67%. Find the overall percentage profit of the trader.
(1) 38%
(2) 42%
(3) 34%
(4) 50%

GENERAL AWARENESS

141. Which of the following servic- es is not provided by the post offices in India?
(1) Sale of stamps
(2) Issuance of demand drafts
(3) Life insurance cover
(4) All the given options are services provided by post offices in India
(5) Savings bank scheme

142. For exercising the right of set off which of the following is necessary?
(1) Other than those given as options
(2) Approval from the court
(3) No document is required to be obtained from the cus- tomer
(4) Written consent from the customer
(5) A letter of indemnity

143. The name 'Punjab' is derived from Indo-Iranian words- 'Punj' means 'five' and 'aab' means 'waters'. Which of the following is not the one among those five rivers?
(1) Sutlej
(2) Beas
(3) Yamuna
(4) Chenab
(5) Jhelum

144. Maximum loan amount to In- dividuals against security of shares can be
(1) 10.00 lacs / 20.00 lacs
(2) 15.00 lacs / 25.00 lacs
(3) 20.00 lacs / 25.00 lacs
(4) 20.00 lacs / 30.00 lacs
(5) Other than those given as options

145. Abhinav bindra is a famous
(1) social worker
(2) film star
(3) journalist
(4) sports personality
(5) politician

146. 'Renminbi' is the currency of
(1) People's republic of China
(2) People's republic of Bul- garia
(3) People's republic of Ethio- pia
(4) People's republic of Bang- ladesh

Dronacharya award is given for the achievement in the field of
(1) Cinema
(2) Literature
(3) Human Resource Develop- ment
(4) Sports Coaching
(5) Employee Welfare Activi-

147. Which of the following terms of securing a loan is the saf- est?
(1) Lien
(2) Assignment
(3) Pledge
(4) Hypothecation
(5) Mortgage

148. Which of the following is ac- ceptable as address proof for opening a bank account by an individual?
(1) Letter from any recognized public authority
(2) Domicile certificate
(3) Electricity Bill
(4) A rent agreement indicat- ing the address of the cus- tomer duly registered with State Government
(5) Other than those given as options

149. Who amongst the following is the author of the book 'The Heart of India'?
(1) Mark Tully
(2) Other than those given as options
(3) Ruskin Bond
(4) Meera Syal
(5) Gita Mehra

150. Which of the following is the correct full form of ECS often used in banking?
(1) Electronic Clash System
(2) Electronic Cash Service
(3) Electronic Clearing Service
(4) Electronic Charging Sys- tem
(5) None of these

151. A demand draft issued by a bank is valid for
(1) 3 years
(2) There is no time limit
(3) 12 months
(4) 6 months

153. NRI Day is observed on which day?
- (a) 7th January
- (b) 9th March
- (c) 9th January
- (d) 19th February
- (e) 19th March

154. In which of the following types of banking, there is a direct execution of transaction between a bank and its consumers?
- (a) Retail Banking
- (b) Universal Banking
- (c) Virtual Banking
- (d) Unit Banking
- (e) Other than those given as options

155. What is the maximum deposit amount insured by the DICGC?
- (a) Rs. 35,000
- (b) Rs. 50,000
- (c) Rs. 90,000
- (d) Rs. 1,00,000
- (e) Other than those given as options

156. The term 'NOC' is associated with?
- (a) Industrial Credit
- (b) Trade Credit
- (c) Micro Credit
- (d) Farm Credit
- (e) Retail Credit

157. The abbreviation EPOS stands for?
- (a) Electronic Payment of Sale
- (b) Electronic Point of Sale
- (c) Electronic Purchase of Sale
- (d) Electronic Machines of Sale
- (e) Electronic Handlers of Sale

158. Which of the following bodies regulates the Regional Rural Banks?
- (a) RBI
- (b) NABARD
- (c) Reserve Bank of India Development
- (d) State Government
- (e) SIDBI

159. Stratospheric Observatory for Infrared Astronomy (SOFIA) was the airborne observatory in the world which was operational in 2014 is operated by US and ____ space agency?
- (a) German
- (b) French
- (c) Chinese
- (d) Russian

160. Deposits under Foreign Currency Non-Resident (FCNR(B)) scheme can be accepted for a minimum of
- (a) 15 days
- (b) 30 months
- (c) 6 months
- (d) 1 year
- (e) 7 days

161. The Head of the Reserve Bank of India is officially known as
- (a) Managing Director of RBI
- (b) CEO
- (c) Chief Executive of RBI
- (d) President of RBI
- (e) Governor of RBI

162. India has different categories of commercial banks. Which of the following is not a commercial bank?
- (a) Foreign Banks
- (b) Commodity Banks
- (c) Nationalised Banks
- (d) Private Banks
- (e) Co-operative Banks

163. If the total amount of a loan is `Rs. ____` and the bank has credited to a customer's account within 7 working days from the date of receipt of the complaint, Banks have to pay compensation at the rate of Rs. ____ per day?
- (a) 150   25
- (b) 100   50
- (c) 200   100
- (d) 100   100

164. The green revolution in India was the outcome of the efforts of who amongst the following?
- (a) Dr. Ramesh Mohan
- (b) Dr. C. Rangarajan
- (c) Dr. M.V. Kamath
- (d) Dr. M.S. Swaminathan
- (e) Other than those given as options

165. Priority Policy is concerned with which of the following?
- (a) Public Revenue and Expenditure
- (b) Currency and reserves
- (c) Education for all
- (d) Population control
- (e) Export and Import

166. The EPFO has raised maximum insurance cover to Rs 6 lakh.
- (a) Rs. 50,000
- (b) Rs. 1 lakh
- (c) Rs. 3 lakh
- (d) Rs. 5 lakh
- (e) Rs. 6 lakh

167. Which one of the following is known as Demat account?
- (a) Account in which shares are held in electronic form
- (b) Other than those given as options
- (c) Account allowed to operated by guardian of minor
- (d) Account operated by businessmen correspondents on various accounts
- (e) Account opened with zero balance

The maximum amount that can be remitted through RTGS is
- (a) Re. 1 core
- (b) Rs. 50.00 lacs
- (c) Rs. 25.00 lacs
- (d) Rs. 10.00 lacs
- (e) No upper ceiling

168. Lionel Messi who was in the news recently for his contribution to football plays from which of the following country?
- (a) Argentina
- (b) Germany
- (c) Spain
- (d) Brazil
- (e) Other than those given as options

170. Which of the following is the full form of PUMA?
- (a) Provision of Urban Amenities in Rural Areas
- (b) Programme on Urban Rural Amenity
- (c) Provisional and Amenities Act
- (d) Perfect Urban Rural Amenities Action
- (e) Other than those given as options

171. Quantum Deposit Scheme of ICICI Bank and Multi Option Deposit Scheme (MODS) of SBI are examples of
- (a) Current deposit
- (b) Fixed deposit
- (c) Term deposit
- (d) Hybrid deposit
- (e) Savings deposit

172. The foreign exchange of India is kept with
- (a) ECGC
- (b) RBI
- (c) ECGC
- (d) Other than those given as options

173. Balance in a current account

(1) Hybrid deposit
(2) Demand deposit
(3) Demand deposit
(4) Other than these given as options

174. "Neopur", which means "raccoon city" is the name of
(1) a Korean Motorbike brand
(2) a domestic animal from south-east Asia
(3) a South Korean port
(4) a wild animal found in North Korea
(5) a Powerful Typhoon

175. Which is the largest state in India in terms of area?
(1) Uttar Pradesh
(2) Rajasthan
(3) Jammu & Kashmir
(4) Madhya Pradesh
(5) Pre-divided Andhra Pradesh

176. IFSC has how many digits?
(1) 12
(2) 9
(3) 11
(4) 18
(5) 15

177. Which one of the following is not a component of RBI?
(1) Reserve Repo Rate
(2) SLR
(3) Repo Rate
(4) Bank Rate
(5) Other than these given as options

178. Banks borrow money from RBI at which of the following rates?
(1) Repo Rate
(2) SLR
(3) CRR
(4) Reverse Repo Rate
(5) Bank Rate

179. Banks in India are required to benchmark their lending rates with reference to which of the following rates?
(1) Reverse Repo Rate
(2) Repo Rate
(3) Base Rate
(4) Govt. of India 10 year bond rate
(5) Bank Rate

180. The rate at which domestic currency can be converted in to foreign currency and vice-versa is known as
(1) LIBOR
(2) Base Rate
(3) Repo Rate
(4) Exchange Rate
(5) Inter Bank Call Money Rate

COMPUTER ABILITY

181. When you first turn on a computer, the CPU is preset to execute instructions stored in the
(1) RAM
(2) Flash memory
(3) ROM
(4) CD-ROM
(5) ALU

182. Which of the following is not a function of the control unit?
(1) Read instructions
(2) Interpret instructions
(3) Execute instructions
(4) Direct operations
(5) Provide control signals

183. What are .ies, .ice, examples of in computing?
(1) Extensions
(2) Functions
(3) Protocols
(4) Databases
(5) Other than these given as options

184. Documents converted to ____ can be published to the web.
(1) a doc file
(2) http
(3) machine language
(4) HTML

185. What kind of software would you most likely use to keep track of a billing account?
(1) Web authoring
(2) Spreadsheet
(3) word processing
(4) Power point

186. A computer virus normally attaches itself to another computer program known as a
(1) host program
(2) target program
(3) backdoor program
(4) Bluetooth
(5) Trojan horse

187. When a file contains instructions that can be carried out by the computer, it is often called a/an _____ file.
(1) Other than these given as options
(2) information
(3) application
(4) executable
(5) data

188. Data duplication wastes the space, but also promotes a more serious problem called
(1) Isolated data
(2) Data inconsistency
(3) Other than these given as options
(4) Program dependency
(5) Separated data

189. Which of the following is not a version of the Windows operating system software for the PC?
(1) MX
(2) 98
(3) XP
(4) Vista
(5) Linux

190. The main directory of a disk is called the ____ directory.
(1) network
(2) root
(3) Folder
(4) Home

191. Which of the following is not an example of application software?
(1) Word processing software
(2) Spreadsheet software
(3) Operating system software
(4) Database software
(5) Graphics software

192. Which of the following is not true about RAM?
(1) RAM is the same as hard disk storage
(2) RAM is a temporary storage area
(3) RAM is volatile
(4) RAM is a primary memory
(5) RAM is a main memory

193. Data storage hierarchy consists of
(1) Bits, Bytes, Records, Fields, files and databases
(2) Characters, fields, records, files and databases
(3) Bytes, bits, fields, records, files and databases
(4) Bits, bytes, fields, records, files and databases
(5) Other than these given as options

194. a ____ is an example of
(1) function
(2) cell address
(3) formula
(4) value
(5) Other than these given as options

195. _____ are often delivered to a PC through an email attachment and are often designed to do harm.
(1) Portals
(2) Spam
(3) Viruses
(4) Other than those given as options
(5) E-mail messages

196. Decreasing the amount of space required to store data and programs is accomplished by
(1) Crashing
(2) Disk caching
(3) RAID
(4) file compression
(5) Other than those given as options

197. What is the difference between a CD-ROM and CD-RW?
(1) They are the same – just two different terms used by different manufacturers
(2) A CD-Rom can be written to and a CD-RW cannot
(3) Other than those given as options
(4) A CD-ROM holds more information than a CD-RW
(5) A CD-RW can be written to but a CD-ROM can only be read from

198. Computer program are written in a high-level programming language, howeer, the human readable version of a program is called
(1) Cache
(2) instruction set
(3) source code
(4) Word size
(5) Other than those given as options

199. The clock rate of a processor is measured in
(1) megabytes or gigabytes
(2) milliseconds
(3) megabytes or gigahertz
(4) nanoseconds
(5) micro hertz

200. When copying and pasting, the item cut is temporarily stored in the
(1) dashboard
(2) ROM
(3) hard drive
(4) Diskette
(5) clipboard