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REASONING ABILITY

1. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
(1) 215   (2) 143
(3) 247   (4) 91
(5) 65

2. In a certain code CROWNED is written as PSDVEFO. How is STREAMS written in that code ?
(1) SUTDBNT   (2) TUSDTNB
(3) SUTFTNB   (4) QSRDTNB
(5) None of these

3. 'DEAN' is related to 'NDAE' and ROAD' is related to 'DRAO' in tne same way as 'SOME' is related to ____?
(1) ESMO   (2) EOMS
(3) EMOS   (4) MSEO
(5) None of these

4. In a row of thirty five children M is fifteenth from the right end and there are ten children between M and R. What is R's position from the left end of the row ?
(1) 15th
(2) 5th
(3) 30th
(4) Data inadequate
(5) None of these

5. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
(1) Gold   (2) Nickel
(3) Platinum   (4) Tungsten
(5) Diamond

6. Among P, Q. T, A and B each having a different height, T is taller than P and B but shorter than A and Q. P is not the shortest. Who among them is the tallest ?
(1) A   (2) Q
(3) P   (4) P or B
(5) Data inadequate

7. How many meaningful English words can be made the letters RBAE using each letter only once in each word ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

8. In a certain code TRAIN is written as '39*7%' and MEAL is written as '4$*®'. How is ITEM written in that code ?
(1) 7$34   (2) 73S4
(3) 79S4   (4) 73*4
(5) None of these

9. How many such pairs of letters are there in the word OBJECTIVE each of which has as many letters between them in the word as in the English alphabet ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

10. If each consonant in the word TOLERANT is replaced by the previous letter in the English alphabet and each vowel in the word is replaced by the next letter In the English alphabet and the new set of letters are arranged alphabetically, which of the following will be the fourth from the right end after the replacement ?
(1) M   (2) P
(3) Q   (4) K
(5) None of these

11.. How many such pairs of digits are there in the number 8429516 each of which has as many digits between them in the number as when the digits are arranged in ascending order within the number ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

12. The positions of the first and the second digits in the number 85341279 are interchanged. Similarly the positions of the third and the fourth digits are interchanged and so on till the positions of the seventh and the eighth digits. Which of the following will be the third to the right of 3 after the rearrangement ?
(1) 9   (2) 7
(3) 8   (1) 2
(5) None of these

13. In a certain code language over • and above' is written as 'da pa ta' and 'old and beautiful' is written as 'sa na pa'. How is 'over' written in that code language ?
(1) da   (2) ta
(3) na   (4) da or ta
(5) None of these

14. What should come next in the following letter series ?
H G F E D C B A G F
E D C B A G F E D C B
(1) E   (2) G
(3) F   (4) B
(5) None of these

15. Mohan correctly remembers that his father's birthday is before twentieth January but after sixteenth January whereas his sister correctly remembers that their father's birthday is after eighteenth January but before twenty-third January. On which date in January is definitely their father's birthday ?
(1) Eighteenth
(2) Nineteenth
(3) Twentieth
(4) Data inadequate
(5) None of these

16. If 'P' denotes x'; R' denotes '+*: M' denotes'-' and "W denotes'+', then —
20 R 5 W 12 M 3 P4 = ?
(1) 4   (2) 16
(3) 28   (4) 52
(5) None of these

Directions (17-20) : Following questions are based on the five three-digit numbers given below:
832 719 654 967 481

17. If the positions of the second and the third digits within each number are interchanged, which of the following will be the sum of the first and the second digits of the third highest number ?
    (1) 16   (2) 10
    (3) 9   (4) 15
    (5) None of these

18. Which of the following is the sum of the first and the third digits of the second lowest number ?
    (1) 16   (2) 10
    (3) 18   (4) 5
    (5) None of these

19. If the positions of the first and the second digits within each number are interchanged, which of the following will be the difference between the highest and the second highest number ?
    (1) 203   (2) 133
    (3) 385   (4) 182
    (5) 144

20. If the positions of the first and the third digits within each number are interchanged, which of the following will be the sum oT the second and third digits of the lowest number ?
    (1) 8   (2) 11
    (3) 15   (4) 12
    (5) None of these

Directions (21 -25): In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take, the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

21. **Statements:**
    All chairs are keys.
    All keys are balloons.
    Some balloons are mirros.
    Some mirrors are desks.
    Conclusions:
    I.   Some desks are keys.
    II. Some balloons are chairs.
    HI. Some mirrors are balloons.
    (1) Only I follows
    (2) Only II follows
    (3) Only III follows
    (4) Only II and III follow
    (5) All I, II and III follow

22. **Statements:**
    Some drums are posters.
    All posters are windows.
    Some windows are tablets.
    All tablets are books.
    Conclusions:
    I.   Some windows are drums.
    II. Some books are posters.
    III. Some tablets are drums.
    (1) None follows
    (2) Only I follows
    (3) Only II follows
    (4) Only III follows
    (5) Only I and II follow

23. **Statements:**
    Some boxes are toys.
    Some toys are nails.
    Some nails are stores.
    Some stores are shops.
    Conclusions:
    I.   Some shops are toys.
    II. Some nails are boxes.
    III. No shop is toy.
    (1) Only I follows
    (2) Only III follows
    (3) Only either I or III follows
    (4) Only II follows
    (5) None of these

24. **Statements:**
    All doors are windows.
    No window is house.
    Some houses are buildings.
    All buildings are skies.
    Conclusions:
    I.   Some skies are doors.
    II. Some skies are houses.
    III. Some buildings are doors.
    (1) Only I follows
    (2) Only II follows
    (3) Only III follows
    (4) Only II and III follow
    (5) None of these

25. **Statements:**
    All rivers are walls.
    All walls are stones.
    All stones are clothes.
    All clothes are trees.
    Conclusions:
    I.   Some trees are stones.
    II. Some clothes are rivers.
    III. All walls are clothes.
    (1) Only I and II follow
    (2) Only I and III follow
    (3) Only II and III follow
    (4) All I, II and III follow
    (5) None of these

26. **Statements :**
    Some letters are glasses.
    Some glasses are plates.
    All plates are buses.
    All buses are cars.
    Conclusions :
    I.   Some cars are letters.
    II. Some cars are glasses.
    III. Some buses are glasses.
    (1) Only I and II follow
    (2) Only I and III follow
    (3) Only II follows
    (4) Only III follows
    (5) Only II and III follow

27. **Statements :**
    All books are pens.
    Some pens are ropes.
    All ropes are discs.
    Some discs are bricks.
    Conclusions:
    I.   Some bricks are ropes.
    II. Some discs are books.
    III. Some bricks are pens.
    (1) None follows
    (2) Only I follows
    (3) Only II follows
    (4) Only III follows
    (5) Only II and III follow

Directions (28–34) : Study the following arrangement carefully and answer the questions given below :

B 4 @ D A © 7 9 F % 2 R 5 H 6 E ★ N $ 1 U W 3 P T 8 δ V # Y I

28. Which of the following is the twelfth to the left of the twenty-first from the left end of the above arrangement ?
    (1) R   (2) 1
    (3) 5   (4) $
    (5) None of these

29. If all the numbers from the above arrangement are dropped, which of the following will be the fifteenth from the right end ?
    (1) W   (2) 6
    (3) ★   (4) R
    (5) None of these

30. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a vowel ?
    (1) None   (2) One
    (3) Two   (4) Three
    (5) Four

31. In which of the following combinations the first element is in between the second and the third elements in the above arrangement ?

(1) 2 % F   (2) 9 © 7
(3) 5 H 6   (4) T P 3
(5) • E N

32. Four of the following five are alike in a certain way based on their position in the above arrangement and so form a group. Which is the one that does not belong to that group ?

(1) 5 6 2   (2) W P U
(3) © 9 D   (4) 8 # T
(5) U 3 $

33. How many such symbols are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number ?

(1) None   (2) One
(3) Two   (4) Three
(5) More than three

34. How many such numbers are there in the above arrangement, each of which is immediately preceded by a letter and immediately followed by a symbol ?

(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Directions (35-40) : In each questions below is given a letter group followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

Letter	M	W
Digit/Symbol Code		5 k

Conditions:

(i) If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.

(ii) If the first letter is a vowel and the last letter is a consonant, both are to be coded as the code for the last letter.

(iii) If both the first and the last letters are consonants, both are to be coded as '#'.

35. OHBWDFT
(1) 89★51@4   (2) 49★51@8
(3) 89★51@8   (4) 49★51@4
(5) None of these

36. AHBWMPE
(1) 79★5$6%   (2) 79★5$67
(3) #9★5$6#   (4) %9★5$67
(5) None of these

37. FEPWBUH
(1) @%65★©9   (2) #%65★©#
(3) 9%65★©@   (4) 9%65★©9
(5) None of these

38. HOPDAMI
(1) 94617$9   (2) δ4617$δ
(3) 94617$δ   (4) δ4671$9
(5) None of these

39. UAQFJPE
(1) ©73@26%   (2) %73@26©
(3) %73@26%   (4) ©73@26©
(5) None of these

40. ITJQFMP
(1) δ823@$6   (2) 6823@$δ
(3) 6823@$6   (4) δ823@$δ
(5) None of these

41. DEJATMI
(1) 1%278$δ   (2) 1%278$1
(3) δ%278$δ   (4) δ%278$1
(5) None of these

Directions (42–48) : Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input   : joy far 35 27 16 96 height star

Step I   : 96 joy far 35 27 16 height star

Step II   : 96 far joy 35 27 16 height star

Step III   : 96 far 35 joy 27 16 height star

Step IV : 96 far 35 height joy 27 16 star

Step V   : 96 far 35 height 27 joy 16 star

and Step V is the last step of the rearrangement.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

42. Input : organise 19 12 stable room 35, 72 house
How many steps will be required to complete the arrangement ?
(1) Five   (2) Six
(3) Seven   (4) Four
(5) None of these

43. Input : bake never store 51 26 33 age 49
Which of the following will be step V ?
(1) 51 age 49 bake 33 never 26 store
(2) 51 age 49 bake never store 26 33
(3) 51 age bake never store 26 33 49
(4) 51 bake never store 26 33 age 49
(5) There will be no such step

44. Input: always go there 39 62 47 time 24
Which W the following steps will be the last but one ?
(1) VI   (2) VII
(3) VIII   (4) IX
(5) None of these

45. Step II of an input is : 67 ask 34 12 46 for my date
Which of the following is definitely the input ?
(1) 34 12 46 for my date ask 67
(2) 34 12 46 for my date 67 ask
(3) 12 34 67 ask 46 for my date
(4) Cannot be determined
(5) None of these

46. Step III of an input is : 84 for 56 29 17 won loss game
Which of the following steps will be the last ?
(1) VIII   (2) IX
(3) VII   (4) V
(5) None of these

47. Step III of an input is : 86 box 63 18 gear card 51 new
How many more steps will be required to complete the arrangement ?
(1) Three   (2) Two
(3) Four   (4) Five
(5) None of these

48. Step IV of an input is : 59 bend 46 card 14 27 win now
Which of the following will be step VII ?
(1) 59 bend 46 card now 27 win 14

(2) 59 bend 46 caVd 27 now win 14

(3) 59 bend 46 card 27 now 14 win

(4) 59 bend 46 card 27 14 win now

(5) There will be no such step

Directions (49-55) : In the following questions, the symbols $, %, @, © and * are used with the following meaning as illustrated below:

P % Q' means 'P is neither greater nor smaller than Q'.

P $ Q' means 'P is neither smaller than nor equal to Q'.

'P © Q' means 'P is neither greater than nor equal to Q'.

*P * Q' means 'P is not greater than Q'.

'P @ Q' means *P is not smaller than 0'.

Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are **definitely true** and give your answer accordingly.

49. Statements : V©K, K@B, B$M
Conclusions:
I. V © B
II. M © K
III. M © V
(1) None is true
(2) Only I is true
(3) Only II is true
(4) Only III is true
(5) Only II and III are true

50. Statements : D*R, R / o F. F$T
Conclusions:
I. F % D
II. F $ D
III. T © R
(1) Only I is true
(2) Only II is true
(3) Only III is true
(4) Only either I or II is true
(5) Only either 1 or II and III are true

51. Statements : N@D, D*K, K$A
Conclusions:
I. K @ N
II. A © D
III. N $ A
(1) None is true
(2) Only I is true
(3) Only II is true
(4) Only III is true
(5) Only II and III are true

52. Statements : K@T, TSN, N©R
Conclusions:
I. R $ K
II. N • K
III. K $ N
(1) None is true
(2) Only I is true
(3) Only II is true
(4) Only III is true
(5) Only II and III are true

53. Statements : W%K, K©F, D$F
Conclusions:
I. D $ K
II. D $ W
III. F@ W
(1) Only 1 and II are true
(2) Only I and II are true
(3) Only III and III are true
(4) All I, II and III are true
(5) None of these

54. Statements : B • K. K© F, F% R
Conclusions:
I. R $ K
II. R $ B
III. F $ B
(1) Only I and II are true
(2) Only I and III are true
(3) Only II and III are true
(4) All I. II and III are true
(5) None of these

55. Statements : H$M, M%D, D@K
Conclusions:
I. H $ D
II. K • M
III. K © H
(1) Only II is true
(2) Only II and III are true
(3) Only I and III are true
(4) Only I and II are true
(5) All I, II and III are true

Directions (56-60) : Study the following information carefully and answer the questions given below :

A, M. D, P. R, T, B and H are sitting around a circle facing at the centre. M is third to the left of A who is second to the left to T. D is second to the right of H who is second to the right of T. R is second to the right of B who is not an immediate neighbour of T.

56. Which of the following combinations represents the first and the second to the left of B respectively ?
(1) MD
(2) DH
(3) AM
(4) AR
(5) DM

57. Who is third to the right of T?
(1) D
(2) B
(3) H
(4) M
(5) None of these

58. Who is to the immediate left of H ?
(1) P
(2) M
(3) T
(4) R
(5) Data inadequate

59. Who is second to the left of B ?
(1) D
(2) H
(3) M
(4) Data inadequate
(5) None of these

60. In which of the following combinations the third person is second to the left of the second person ?
(1) BAR
(2) DBM
(3) TPH
(4) PMH
(5) None of these

Directions (61-70) : Study the following information carefully and answer the questions given below :

Following are the conditions for selecting Personnel Manager in an organisation :

The candidate must—

(i) be at least 30 years and not more than 35 years as on 01.11.2009.

(ii) be a graduate in any discipline with at least 55 per cent marks

(iii) be a post graduate degree/diploma holder in Management with Finance specialisation with at least 60 per cent marks.

(iv) have post qualification work experience of at least six years in the Finance department of an organisation.

(v) have secured at least 50 per cent marks in the preliminary interview.

(vi) have secured at least 40 per cent marks in the final interview.

In the case of a candidate who satisfies all other conditions **EXCEPT—**

(a) at (iv) above, but has post qualification work experience of at least three years as Deputy Finance Manager in an organisation, his/her case is to be referred to VP-Finance.

(b) at (vi) above, but has obtained at least 60 per cent marks in the preliminary interview, his/her candidature is to be considered under 'wait list'.

In each question below are given details of one candidate. You have to take one of the following courses of actions based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.11.2009.

Mark answer (1) if the candidate is to be selected.

Mark answer (2) if the candidate is not to be selected.

Mark answer (3) if the candidate is to be kept on waiting list.

Mark answer (4) if the case is to be referred to VP-Finance.

Mark answer (3) if the data provided are not adequate to take a decision.

61. Neelam Johri was secured 38 per cent marks in the final interview. She has also secured 65 per cent marks in both B. Com. and post-graduate degree in Finance Management. She has been working in the finance department of an organisation for the past six years after completing her post-gradGate degree. She was bom on 16th August 1978. She has secured 63 per cent marks in the preliminary interview

62. Anirban Chowdhury was born on 8th March, 1978. He has secured 65 per cent marks in B.Sc. and 62 per cent marks in post-graduate degree in Finance Management. He has been working in the finance department of a company for the past seven years after completing his post graduation. He has secured 50 per cent marks in the final interview and 40 per cent marks in the preliminary interview.

63. Vaibhav Joshi has secured 60 per cent marks in both graduation and post graduate diploma in Finance Management. He has been working as deputy finance manager in an organisation for the past four years after completing his post-graduate diploma. He has secured 53 per cent marks in the preliminary interview and 43 per cent marks in the final interview. He was born on 3rd July, 1977.

64. Sudha Motwani was bom on 24th March, 1977. She has secured 58 per cent marks in B.A. and 68 per cent marks in post-graduate diploma in Finance Management. She has been working in the finance department of an organisation for the past eight years after completing her post graduation. She has secured 50 per cent marks in both preliminary and final interviews.

65. Ashok Chandra has been working in the finance department of an organisation for the past seven years after completing his post graduate diploma in management with finance specialisation with 65 per cent marks. He has secured 55 per cent marks in the preliminary interview and 45 per cent marks in the final interview. He was bom on the 12th April, 1976.

66. Suparna Desai has secured 58 per cent marks in graduation and 68 per cent marks in post graduate diploma in finance management. She has been working as deputy finance manager in an organisation for the past four years after completing her post-graduate diploma. She has secured 50 per cent marks in preliminary interview and 45 per cent marks in the final interview. She was bom on 26th August. 1977.

67. Balwant Singh was bom on 18th November, 1979. He has secured 60 per cent marks in B.Com. and 55 per cent marks in post-graduate degree in Finance Management. He has been working as deputy finance manager in an organisation for the five years after completing his post graduate degree. He has secured 54 per cent marks in preliminary interview and 44 per cent marks in final interview.

68. Abhishek Saha was bom on 8th October, 1978. He has been working in the finance department of an organisation for the past six years after completing his post graduate diploma in management with 68 per cent marks. He has secured 63 per cent marks in B. Sc. He has also secured 60 per cent marks in both preliminary and final interviews.

69. Shikha Rastogi was bom on 11 th April, 1976. She has secured 68 per cent marks in graduation and 62 per cent marks in post-grad-uate degree in Finance Management. She has secured 65 per cent marks in preliminary interview and 35 per cent marks in final interview. She has been working in the finance department of an organisation for the past seven years after completing her post graduate degree.

70. Navin Shukla has secured 60 per cent marks in graduation and 65 per cent marks in post graduate diploma in Finance Management. He has been working in the finance department of a company for the past six years after completing his post-graduate diploma. He has secured 56 per cent marks in the preliminary interview and 45 per cent marks in the final interview. He was bom on 28th May. 1976.

Directions (71 - 75) : Below is given a passage followed by several possible references which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity.

Mark answer (1) if the inference is 'definitely true*, i.e. it properly follows from the statement of facts given.

Mark answer (2) if the inference is probably true' though not 'definitely true' in the light of the facts given.

Mark answer (3) if the 'data are inadequate', i.e. from the facts given you cannot say whether the inference is likely to be true or false.

Mark answer (4) if the inference is 'probably false', though not 'definitely false' in the light of the facts given.

Mark answer (5) if the inference is definitely false', i.e. it cannot possibly be drawn from the facts given or it contradicts the given facts.

In its most ambitious bid ever to house 6-crore slum dwellers and realise the vision of slum-free India, the government is rolling out a massive plan to build 50 lakh dwelling units to five years across 400 towns and cities. The program could free up thousands of acres of valuable government land across the country and generate crores worth of business for real estate developers. Proliferation of slums has had an adverse impact on the GDP growth for years. Slum dwellers are characterised by low productivity and sus-

ceptible to poor health conditions. The government believes that better housing facilities will address social issues and also have a multiplier effect and serve as an economic stimulus.

71. Health and sanitary conditions in slums are far below the acceptable norm of human habitat in Indian cities and towns.

72. Cities and towns of developed countries are free from slums.

73. Per capita income of slum dwellers is significantly lower than those living in better housing facilities.

74. Majority of the slums in cities and towns in India are on prime private properties.

75. Development of land occupied by slums in cities of India will not have any effect on the common public.

Directions (76-80) : In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, then decide which of the suggested courses of action logically follow(s) for pursuing.

Give answer (1) if only I follows.
Give answer (2> if only II follows.
Give answer (3) if either I nor II follows.
Give answer (4) if neither I nor II follows.
Mark answer (5) if both I and II follow.

76. Statement : A very large number of people gathered outside the local police station to submit a memorandum on behalf of the residents highlighting police in action in curbing incidents of theft and burglary in the neighbourhood for the past few months.
Courses of action:
I. The police authority should form a team of officers to talk to the representatives of the residents and assure them that proper steps will be taken to stop the menace.
II. The police authority should advise the people gathered

outside the police station to disburse and promise them quick action.

77. Statement: At least five students were killed due to a stampede in one city school as the students tried to leave the school building fearing short circuit.
Courses of action:
I. The principal of the school should immediately be arrested.
II. The Government should immediately order closure of the school permanently.

78. Statement: Two local passenger trains collided while running in opposite directions on the same track as the signalling system failed for a brief period.
Courses of action:
I. The services of the motormen of the trains should immediately be terminated.
II. The Government should immediately constitute a task force to review the functioning of the signalling system.

79. Statement : Almost ninety per cent of the flights of one of the private airline companies were cancelled for the fourth consecutive day as the pilots refused to join their duties in protest against sacking of two of their colleagues by the airline management.
Courses of action:
I. The management of the airline company should be ordered by the Government to immediately reinstate the sacked pilots to end the crisis.
II. The Government should immediately take steps to end the impasse between the management and the pilots to help the hapless passengers.

80. Statement: A major part of the local market in the city was gutted due to a short circuit causing extensive damage to goods and property.
Courses of action:
I. The Government should issue strict guidelines for all establishments regarding installation and maintenance of electrical fittings.

II. The Government should relocate all the markets to the outskirts of the city.

81. Statement: The Government has decided to construct an eight-lane super highway across the state to facilitate fast movement of vehicles.
Which of the following can be an assumption which is implicit in the above statement ?
(1) The Government has adequate resources to construct the proposed super highway
(2) The people of the state may protest against the Government's decision as their farm land will be taken over the Government for constructing the highway.
(3) The Government may find it difficult to enrol a suitable contractor for constructing the highway.
(4) There is no other highway which can be used for transportation of goods across the state
(5) None of these

82. Statement: It has been reported in a recent research report that taller people are found to be happier than those who are relatively shorter.
Which of the following contradicts the above finding ?
(1) People are generally truthful when they respond to the questions of such research studies.
(2) Those people who have a comfortable lifestyle are found to be happier than those who lead a strenuous lifestyle irrespective of their height.
(3) Shorter people suffer from inferiority complex throughout their life.
(4) Taller people are found to be more positive in approach to daily chores of lifes.
(5) None of these

83. Statement: There was a slow decline in number of patients with flu like symptoms visiting various health facilities in the city during the last fortnight.
Which of the following substantiates the facts mentioned in the above statement ?

(1) Majority of the people suffering from flu visit the health facilities in the city.

(2) There has been a continuous increase in the sale of medicines for curing flu in the city limits.

(3) People have started visiting the crowded places like malls and cinema halls during the last fortnight after a cautioned gap of one month.

(4) There is sudden increase in the number of deaths caused by flu like symptoms followed by respiratory complications.

(5) None of these

84. Cause : A severe cyclonic storm swept away most part of the state during the last two days.

Which of the following cannot be a possible effect of the above cause ?

(1) Heavy rainfall was reported in most part of the state during the last two days.

(2) Many people were rendered homeless as their houses were flown away.

(3) The communication system of the state was severely affected and continues to be out of gear.

(4) Government has ordered that all the offices and schools should be kept open.

(5) All are possible effects.

85. Effect : The prices of petroleum products have increased by about twenty per cent in the past two months.

Which of the following can be a probable cause of the above effect?

(1) The prices of foodgrains and vegetables have shot up by more than thirty per cent.

(2) The truck owners' association has decided to increase their rent by about 20 per cent with immediate effect-

(3) The prices of crude oil in the international market have increased considerably during the past few weeks.

(4) People have decided to demonstrate against the Government's apathy towards rise in prices of essential commodities-

(5) None of these

Directions (86-100): In each of the question given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

Problem Figures　　　　　　**Answer Figures**
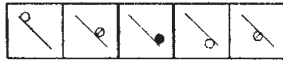
98. Problem Figures

Answer Figures

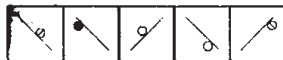(1)   (2)   (3)   (4)   (5)

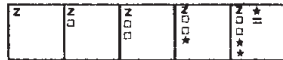**99. Problem Figures**

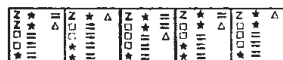**Answer Figures**

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

100. Problem Figures

Answer Figures

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

QUANTITATIVE APTITUDE

Directions (101 – 105) : What should come in place of the question mark (?) in the following questions ?

101. $1\frac{1}{4} + 1\frac{5}{9} \times 1\frac{5}{8} \div 6\frac{1}{2} = ?$

(1) 17   (2) 27

(3) 42   (4) 18

(5) $1\frac{23}{36}$

102. If $289 = 17^{\frac{x}{5}}$ then, $x = ?$

(1) 16   (2) 8

(3) 32   (4) $\frac{2}{5}$

(5) None of these

103. $0.01 \times 0.1 - 0.001 \div 10 + 0.01 = ?$

(1) 0.01009   (2) 0.0101

(3) 0.19   (4) 0.109

(5) 0.0109

104. If $x\%$ of 500 = $y\%$ of 300 and $x\%$ of $y\%$ of 200 = 60, then $x = ?$

(1) $10\sqrt{2}$ (2) $20\sqrt{2}$

(3) $15\sqrt{2}$ (4) $30\sqrt{2}$

(5) None of these

105. $\dfrac{16 \times 32}{9 \times 27 \times 81} = ?$

(1) $\left(\frac{2}{3}\right)^{12}$ (2) $\left(\frac{2}{3}\right)^{11}$

(3) $\left(\frac{2}{3}\right)^{13}$ (4) $\left(\frac{2}{3}\right)^{9}$

(5) None of these

Directions (106–110) : What **approximate** value should come in place of question mark (?) in the following questions ? (**Note :** You are not expected to calculate the exact value.)

106. $23.999 \times 9.004 \times 16.997 = ?$

(1) 3200   (2) 4100

(3) 2700   (4) 3700

(5) 4500

107. $5\frac{7}{9} \times 8\frac{4}{5} \times 9\frac{2}{3} = ?$

(1) 490   (2) 590

(3) 540   (4) 460

(5) 520

108. $5940 \div 28 \div 6 = ?$

(1) 40   (2) 35

(3) 46   (4) 52

(5) 27

109. 15.5% of 850 + 24.8% of 650 = ?

(1) 295   (2) 330

(3) 270   (4) 375

(5) 220

110. $\sqrt{2230} = ?$

(1) 54   (2) 59

(3) 41   (4) 37

(5) 47

Directions (111–112) : In the following number series only one number is **wrong**. Find out the **wrong** number.

111. 8 11 17 47 128 371 1100

(1) 11   (2) 47

(3) 17   (4) 371

(5) 128

112. 1 5 13 31 61 125 253

(1) 1   (2) 5

(3) 31   (4) 61

(5) 125

113. Aman's expense is 30% more than Vimal's expense and Vimal's expense is 10% less than Raman's expense. If the sum of their expenses is Rs. 6447, then what would be the Aman's expense ?

(1) Rs. 2,200   (2) Rs. 2,457

(3) Rs. 1,890   (4) Rs. 2,100

(5) None of these

114. In a test, a candidate secured 336 marks out of maximum marks \x\ If the maximum marks x' were converted into 400 marks, he would have secured 192 marks. What were the maximum marks of the test ?

(1) 700   (2) 750

(3) 500   (4) 650

(5) 800

115. An AC consumes 8 units of electricity in 30 minutes and a bulb consumes 18 units of electricity in 6 hours. How much total unit of electricity will both AC and bulb consume in 8 days if they run 10 hours a day ?

(1) 1280 units

(2) 1528 units

(3) 1248 units

(4) 1520 units

(5) 1620 units

116. What amount a man would have received on a principal of Rs. 4,000 after two years at simple interest at the rate of 5 per cent per annum ?

(1) Rs. 4,161   (2) Rs. 5,200

(3) Rs. 4,400   (4) Rs. 4,100

(5) Rs. 4,190

117. Four years ago Shyam's age was 3 times that of Ram. Four years hence, Shyam's age will be times that of Ram. What is the present age of Shyam ?

(1) 15 years   (2) 20 years

(3) 16 years   (4) 24 years

(5) 8 years

118. The average marks in Science subject of a class of 20 students is 68. If the marks of two students were misread as 48 and 65 of the actual marks 72 and 61 respectively, then what would be the correct average ?

(1) 68.5   (2) 69
(3) 69.5   (4) 70
(5) 66

119. A school team has eight volleyball players. A five-member team will be selected out of these eight players. How many different selections can be made ?
(1) 224   (2) 112
(3) 56   (4) 88
(5) None of these

120. A bus started its journey from Ramgarh and reached Devgarh in 44 minutes with its average speed of 50 km/hour. If the average speed of the bus is increased by 5 km/hour, how much time will it take to cover the same distance ?
(1) 40 minutes (2) 38 minutes
(3) 36 minutes (4) 31 minutes
(5) 49 minutes

Directions (121–125) : In the following questions two equations numbered I and II are given. You have to solve both the equations and

Give answer (1) If $x > y$
Give answer (2) If $x \geq y$
Give answer (3) If $x < y$
Give answer (4) If $x \leq y$
Give answer (5) If $x = y$ or the relationship cannot be established.

121. I. $x^2 - 1 = 0$
   II. $y^2 + 4y + 3 = 0$

122. I. $x^2 - 7x + 12 = 0$
   II. $y^2 - 12y + 32 = 0$

123. I. $x^3 - 371 = 629$
   II. $y^3 - 543 = 788$

124. I. $5x + 2y = 31$
   II. $3x + 7y = 36$

125. I. $2x^2 + 11x + 12 = 0$
   II. $5y^2 + 27y + 10 = 0$

Directions (126–130) : Study the information carefully to answer the questions that follow.

In an annual function, 504 children participated. The ratio of number of girls to the number of boys is 5 : 3 respectively. Out of the total girls, 20% participated in dance and remaining girls participated in solo song, group song and drama in the ratio of 2 : 3 : 4 respectively. Two-third of the total boys participated in group song and remaining boys participated in solo song and dance in the ratio of 4 : 5 respectively.

126. What is the **approximate** percentage of the boys who have participated in dance out of the total number of boys ?
(1) 19%   (2) 23%
(3) 16%   (4) 27%
(5) 14%

127. What is the **approximate** percentage of the girls participated in solo song out of the all the total participants ?
(1) 11%   (2) 15%
(3) 6%   (4) 20%
(5) 18%

128. What is the total number of girls who have participated in group song and drama together ?
(1) 192   (2) 196
(3) 184   (4) 168
(5) 175

129. What is the ratio between number of boys to the number of girls respectively who have participated in solo song ?
(1) 1 : 2   (2) 2 : 1
(3) 4 : 3   (4) 3 : 2
(5) None of these

130. What is the difference between the number of boys and girls who have participated in dance ?
(1) 63   (2) 35
(3) 28   (4) 126
(5) None of these

131. The sum of four consecutive even numbers is 284. What would be the smallest number ?
(1) 72   (2) 74
(3) 68   (4) 66
(5) 70

132. If $\dfrac{(a-b)^2 - (a+b)^2}{-4a} = \dfrac{x}{u}$

On simplifying the above mentioned equation, what will be the equation ?
(1) $xy = b$ (2) $bx = y$
(3) $by = x$ (4) $ab = x$
(5) $ay = x$

133. $\dfrac{1}{4}$ of $\dfrac{3}{5}$ of $\dfrac{6}{5}$ of a number is 54. What is the number ?
(1) 280   (2) 250
(3) 300   (4) 150
(5) 160

134. The average age of the family of five members is 24. If the present age of youngest member is 8 years, then what was the average age of the family at the time of the birth of the youngest member ?
(1) 20 years   (2) 16 years
(3) 12 years   (4) 18 years
(5) 21 years

135. A candidate appearing for an examination has to secure 35% marks to pass. But he secured only 40 marks and failed by 30 marks. What would be the maximum marks of test ?
(1) 280   (2) 180
(3) 200   (4) 150
(5) 210

136. The length of a rectangular floor is twice its breadth. If Rs. 256 is required to paint the floor at the rate of Rs. 2 per square metres, then what would be the length of floor?
(1) 16 metres (2) 8 metres
(3) 12 metres (4) 32 metres
(5) 20 metres

137. Angle 'A of the quadrilateral ABCD is 26 less than angle B. Angle B is twice angle C and angle C is 10 more than the angle D. What would be the measure of angle A?
(1) 104   (2) 126
(3) 56   (4) 132
(5) 106

138. A number when subtracted by y of itself gives the same value as the sum of all the angles of a triangle. What is the number ?
(1) 224   (2) 210
(3) 140   (4) 350
(5) 187

139. A man walked at a speed of 4 km/hr from point A to B and came back from point B to A at the speed of 6 km/hr. What would be the ratio between the time taken by man in walking from point A to B to point B to A respectively ?
(1) 5 : 3   (2) 2 : 3
(3) 2 : 1   (4) 4 : 3
(5) 3 : 2

140. In every 30 minutes the time of a watch increases by 3 minutes. After setting the correct time at 5 a.m., what time will the watch show after 6 hours ?
(1) 10 : 54 a.m. (2) 11 : 30 a.m.
(3) 11 : 36 a.m. (4) 11 : 42 a.m.
(5) 11 : 38 p.m.

Directions (141-145): Study the following profile of parliament carefully and answer the questions given below it.

PROFILE OF PARLIAMENT IN YEAR XXXX

Total Members in Parliament = 640 (490 from Lok Sabha and 150 from Rajya Sabha)

Lok Sabha (No. of Members)	Party	Rajya Sabha (No. of Members)
280	A	90
180	B	45
30	Others	15
490	Total	150
	SEX	
435	Males	120
55	Females	30
	RELIGION	
348	Hindus	85
42	Muslims	20
75	Sikhs	35
25	Christians	10
	PROFESSION	
300	Graduates	50
45	Business men	19
60	Educators	*11*
85	Unknown	70

141. What is the **approximate** percentage of the Muslim members in Lok Sabha ?
(1) 9%   (2) 11%
(3) 13%   (4) 14%
(5) 7%

142. In Rajya Sabha if 30 male members were replaced by 30 female members, then what is the ratio of male members to female members respectively ?
(1) 3   (2)
(3) 1   (4)
(5) 2

143. What percentage of members in parliament are businessmen ?
(1) 8%   (2) 20%
(3) 30%   (4) 18%
, (5) 10%

144. If all the 'others' party members of Lok Sabha join the party 'B' then what would be the ratio between members of party 'A' to the members of party 'B' respectively.
(1) 3 : 2   (2) 6 : 5
(3) 4 : 3   (4) 7 : 6
(5) 4 : 5

145. Out of total members of party 'B' in parliament, what percentage of the members belong to Rajya Sabha ?
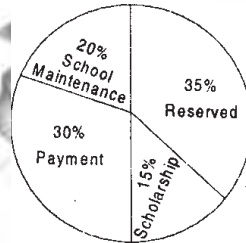(1) 30%   (2) 35%
(3) 25%   (4) 20%
(5) 15%

Directions (146-150): Study the following pie-charts carefully and answer the questions below it.

The entire fund that school gets from different sources is equal to Rs. 500 lakhs.

Sources of Funds in School
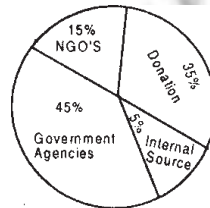
Uses of Funds by school

146. What is the difference between the funds acquired by school from NGO's and internal sources ?
(1) Rs. 50 lakhs
(2) Rs. 45 lakhs
(3) Rs. 75 lakhs
(4) Rs. 25 lakhs
(5) None of these

147. If the school managed 'school maintenance' from the 'government agencies' fund only, then how much fund from government agencies would still be left for other use ?
(1) Rs. 120 lakhs
(2) Rs. 150 lakhs
(3) Rs. 110 lakhs
]4) Rs. 95 lakhs
(5) None of these

148. If scholarship has to be paid out of the donation fund, then what is the **approximate** per cent of donation fund used for this purpose ?
(1) 43%   (2) 53%
(3) 37%   (4) 45%
(5) 32%

149. What is the total amount used by the school for payment ?
(1) Rs. 100 lakhs
(2) Rs. 110 lakhs
(3) Rs. 150 lakhs
(4) Rs. 140 lakhs
(5) None of these

150. What amount of the fund is acquired by the school from government agencies ?
(1) Rs. 220 lakhs
(2) Rs. 310 lakhs
(3) Rs. 255 lakhs
(4) Rs. 225 lakhs
(5) None of these

TEST III
GENERAL AWARENESS ON SOCIO ECONOMIC DEVELOPMENTS

151. Which of the following is/are the highlights of the Union Budget 2009-10 ? The Finance Minister promised

(A) to bring fiscal deficit under control, institutional reforms will be initiated during the year.

(B) Banks and insurance companies will remain in public sector and government will provide full support to these institutions to remain competitive by capital infusion, wherever necessary.

(C) Banks will be allowed to set up offsite ATMs without prior approval from the RBI.

(1) Only A   (2) Only B
(3) Only C   (4) Only A and C
(5) All A, B and C

152. As per the reports published in various newspapers/magazines and journals, the year 2008 was an important milestone in the evaluation of human settlements. For the first time in the human history, the population living in urban areas exceeded that in ru-

ral areas. What is India's position in this regard ?

(A) India is a relatively less urbanized country with only 30% of its total population living in cities.

(B) The size of its urban population is the second largest in the world.

(C) India has more than 100 biggest cities in the world.

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

153. According to Dr. Mohammad Yunus, the Nobel prize winner Economist, a particular type of financing undertaken by the banks, has created a miraculous situation where every year about 5 per cent clients of the Grameen Banks come out of their poverty and join the main stream of the socio economic development in poor/developing countries. This financing activity of the banks in known as

(1) Trade Finance
(2) Micro credit
(3) Export finance
(4) All of these
(5) None of these

154. As per the reports published by the International Monetary Fund (IMF), the developing economies across the world are holding a massive stockpile of foreign exchange reserves. Which of the following is/are the resultant consequences of this type of stock-pilings by various nations ?

(A) A trade imbalance (vast difference in value of imports/exports) is generated between the developing and emerging economies and the rich countries. It is not a healthy sign.

(B) Many economists are of the opinion that these imbalances created the underpinning of the current global economic crisis.

(C) This stockpiling is responsible not only for problems in trade balances but has also created a problem of money laundering.

(1) Only A
(2) Only B
(3) Only C
(4) Only A and B
(5) All A, B and C

155. Which of the following is/are TRUE about the Railway Budget 2009-10?

(A) Railway tickets to be made available through post offices and mobile vans.

(B) Long distance trains will have on-board doctor and infotainment services.

(C) Tatkal scheme of booking is modified. Instead of booking tickets under the scheme five days in advance, it can now be done only two days in advance.

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

156. The Government of India has set up a special group to devise a long term pricing formula, so that it can cope with the prevailing global volatility in the prices of which of the following commodities ?

(1) Sugar
(2) Paddy
(3) Crude oil and Petroleum
(4) Gold
(5) Pulses

157. Which of the following is not included in the core sectors of Indian economy ?

(1) Transport   (2) Coal
(3) Steel   (4) Cement
(5) Electricity

158. As we all know India has a three-tier structure of tax administration. There are taxes levied by Central Government, State Governments and Local Governments. Which of the following taxes is levied by the Local Government Bodies ?

(1) Value Added Tax
(2) Stamp Duty
(3) Service Tax
(4) Land Revenue
(5) Tax on water supply and drainage etc

159. What was the amount sanctioned by the Government of India during 2008-09 for providing drinking water to rural parts of India ?

(1) Rs. 30,000 crore
(2) Rs. 40,000 crore
(3) Rs. 53,000 crore
(4) Rs. 60,000 crore
(5) Rs. 73,000 crore

160. The Reserve Bank of India has reconstituted the Technical Advisory Committee (TAC) on monetary policy with effect from 1st July, 2009. Who is the chairperson of the same ?

(1) D. Subbarao
(2) K.C. Chakrabarty
(3) Shyamala Gopinath
(4) UshaThorat
(5) None of these

161. Which of the following statements about the "State of Indian Economy, during 2008-09 is/are **true ?**

(A) The growth of GDP during 2008-09 was recorded at 6.7%, compared to 9% during 2007-08.

(B) The fiscal deficit was the greatest cause of concern as it exceeded the budget estimates and stood at 13%.

(C) Forex reserves were at a very comfortable position as India got a lot of FDIs and FIIs during the year. However. 60% of the reserves were deployed to manage oil and petroleum imports and subsidies on all such products.

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

162. Many times wc see a term 'PPP' in financial newspapers. One full form of it is "Private Public Partnership". What is another version of the same also used in the financial world ?

(1) Perfect, Preferred and Protected
(2) Point to Point Protocol
(3) Power Point Presentation
(4) Purchasing Power Parity
(5) None of these

163. As per the announcement made recently, the Government of India is going to launch a National Mission for which of the following in near future ?

(1) National Mission for Female Literacy

(2) National Mission for Abolishing Child Labour

(3) National Mission for Computer Literacy

(4) National Mission for protecting the Rights of Physically Challenged

(5) None of these

164. Which of the following is one of the most successful programmes under Bharat Nirman ?

(1) Pradhan Mantri Gram Sadak Yojana

(2) Watershed Development Scheme

(3) Rajiv Gandhi Grameen Vidyutikaran Yojana

(4) Indira Awas Yojana

(5) None of these

165. As we all know 'Mobile Banking' is comparatively a new mode of banking all over the world, what is its status in India ?

(A) The willingness to conduct banking through mobile devices is higher in India.

(B) About 4% of total m-commerce transactions have taken place in the first few months of the current fiscal year in India.

(C) Since RBI's permission is needed for offering mobile banking, only two private banks are providing this service at present.

(1) Only A   (2) Only B

(3) Only C   (4) All A, B and C

(5) None of these

166. Which of the following is/are true about the Pradhan Mantri Adarsh Gram Yojana (PMAGY) to be launched soon ?

(A) The scheme will be launched in one village of each district in Uttar Pradesh, Bihar and Rajasthan as a pilot project.

(B) The scheme is only for villages where the 50 per cent population is of Scheduled Castes.

(C) An amount of Rs. 1,00,000 crore is provided for the scheme out of which 50% will come as grant-in-aid from the UNO.

(1) Only A

(2) Only B

(3) Only C

(4) All A, B and C

(5) None of these

167. As per the recent announcement made by the Government of India, a special One Time Grant of Rs. 100 crore is given to which of the following organizations ?

(1) Administrative Staff College of India (Hyderabad)

(2) Tata Institute of Social Sciences (Mumbai)

(3) International Institute for Population Sciences (Mumbai)

(4) Indian Institute of Technology (Delhi)

(5) Indian Council of Forestry Research and Education (Dehradun)

168. Many times we hear about the "Banking Ombudsman". What is/are the major roles of same ?

(A) Banking Ombudsman is a quasi judicial authority having powers to summon, the banks and the customers both in case of dispute.

(B) The Banking Ombudsman are appointed by the President of India and are retired judges of the High or Supreme Courts.

(C) The decisions/judgements given by the banking Ombudsman cannot be taken to any court of justice as their decisions are last in case of bank related problems/disputes.

(1) Only A   (2) Only B

(3) Only C   (4) All A, B and C

(5) None of these

169. Who amongst the following is the Union Home Minister at present ?

(1) KapilSibbal

(2) Sharad Pawar

(3) P.Chidambaram

(4) Murli Deora

(5) None of these

170. Which of the following is NOT prescribed/recommended by the Economic Survey 2008-09 presented to the Lok Sabha recent-**iy?**

(1) Allow 49% FDI in defence and insurance sectors

(2) Decontrol diesel and petroleum prices

(3) Increase exemption limit on personal income tax upto Rs. 5,00,000

(4) List all unlisted PSUs and sell a minimum 10% equity to public

(5) Decontrol sugar and fertilizer

171. The Reliance Power (R-Power) is working on four Hydropower projects in Arunachal Pradesh which are "Run-of-River" (R-O-R) type of projects. What is the main characteristic of ROR projects ?

(1) These projects are developed only in hilly areas. They can't be developed on plains.

(2) In these projects there is no need of storing the water in dams which is very costly.

(3) In ROR projects the only requirement is to make a big reservoir and turn the flow of river in the direction in which we need it.

(4) ROR projects are three to four times costlier as compared to old patterned dam type of projects.

(5) None of these

172. Which of the following countries is planning to launch its first Mars probe in near future ?

(1) China   (2) Japan

(3) India   (4) Russia

(5) USA

173. India recently inducted Airborne Warning And Control System (AWACS) platforms in its Airforce. These sophisticated machines arc supplied by which of the following countries ?

(1) Australia   (2) Germany

(3) Israel   (4) France

(5) Russia

174. Dr. Manmohan Singh is the member of the parliament from which of the following constituencies ?

(1) New Delhi (South)

(2) Amritsar

(3) Lucknow

(4) Medak

(5) None of these

175. Which of the following pairs of countries are the signatories of a Gas pipeline Deal christened as Peace Pipeline ?

(1) Iran - Iraq

(2) Iraq - UAE

(3) Kuwait-Iran

(4) Pakistan - Iran

(5) Pakistan - India

176. Which of the following countries is at the top of the "World Green Index" compiled by the America's "National Geographic Society" and also through an international polling from "Global Scan" ?
(1) South Africa
(2) USA
(3) China
(4) India
(5) None of these

177. As we all know G-20 has set up a working group to find out the reasons of the recent economic crisis and global slowdown. What according to the reports of the working group was/were the main reasons of the crisis and slowdown ?
(A) Allowing cheap liquidity and sub-prime lending
(B) Poor credit appraisals and securitisation
(C) Excessive dependence on credit ratings
(1) Only A   (2) Only B
(3) Only C   (4) Only A and C
(5) All A. B and C

178. Which of the oil rich gulf countries elected its first women parliamentarians when four women were declared elected in its recently held elections ?
(1) Iran   (2) UAE
(3) Kuwait   (4) Iraq
(5) None of these

179. 'Mardeka Cup' is associated with game of
(1) Hockey   (2) Golf
(3) Football   (4) Badminton
(5) Lawn Tennis

180. Which of the following state governments, decided to have a 'Mahila Court' in every district of the state?
(1) Tamil Nadu
(2) Andhra Pradesh
(3) Kamataka
(4) Delhi
(5) Uttar Pradesh

181. Who amongst the following is the author of the book "Faith and Compassion" ?
(1) Arun Gandhi
(2) Kuldeep Nayyar
(3) AmitChaudhury
(4) NavinChawla
(5) None of these

182. Which of the following countries has developed **"Sajjil.2"** missiles, which were test fired recently ?
(1) Pakistan
(2) Iran
(3) North Korea
(4) India
(5) None of these

183. The first Republic Day of the Federal Democratic Republic of Nepal was celebrated on which of the following days ?
(1) 16th August, 2009
(2) 29th June, 2009
(3) 16th July, 2009
(4) 29 May. 2009
(5) 20th May. 2009

184. Pankaj Advani has become the world's professional champion player of
(1) Badminton
(2) Tennis
(3) Golf
(4) Chess
(5) None of these

185. We hear a term "Carbon Foot Print" these days very frequently. What does it indicate ?
(A) The amount of carbon-dioxide released in the atmosphere every day by an electronic gadget/organization or even by an individual.
(B) The quantity of CO., released when one ton of air recycled by an Air conditioner, during every hour of its functioning.
(C) The quantity of all green house gases put together required to maintain the temperature of the environment at a fixed level of 30 C at nodal points in a country.
(1) Only A   (2) Only B
(3) Only C   (4) All A, B and C
(5) None of these

186. The letter 'D' stands for which of the following in the abbreviated name OECD ? (Organisation of Economic Cooperation and_____.)
(1) Defence
(2) Direction
(3) Dominance
(4) Development
(5) Devaluation

187. The "8th Annual Asian Security Summit" was organized in which of the following places in May 2009 ?

(1) Seoul   (2) Yangon
(3) Singapore (4) Kothmandu
(5) New Delhi

188. Which of the following countries . is the host of FIFA World Cup 2010?
(1) Italy   (2) France
(3) Brazil   (4) Germany
(5) South Africa

189. Late Y.S. Rajasekhar Reddy was from which of the following political parties ?
(1) TeluguDesham
(2) BharatiyaJantaParty
(3) DMK
(4) Samajwadi Party
(5) None of these

190. Who amongst the following won Women's Singles Title of "Spanish Badminton-2009" the final for which was played at Madrid in May 2009?
(1) Sayali Gokhale
(2) LianneTan
(3) Nathalie Descamps
(4) Jill Pittard
(5) None of these

191. Which of the following is the Bank Rate at present ?
(1) 3%   (2) 5%
(3) 6%   (4) 7%
(5) None of these

192. P. Mangesh Chandran whose name was in news recently is a famous
(1) Chessplayer
(2) Playback singer
(3) Cine actor
(4) Author
(5) Journalist

193. Which of the following teams won the Champions League Football 2009, the final of Which was played in Rome in May 2009 ?
(1) Manchester United
(2) Barcelona
(3) Everton
(4) Chelsea
(5) None of these

194. Which of the following states is holding a unique summit on Tigers at global level ?
(1) West Bengal
(2) Andhra Pradesh
(3) Tamil Nadu
(4) Rajasthan
(5) Chhattisgarh

195. Which of the following books is NOT written by Dans Lessing ?
(1) The Golden Note Book
(2) Memoirs of **a** survivor
(3) The city of joy
(4) The summer before the Dark
(5) The fifth child

196. Which of the following is Statutory Liquidity Ratio at present in India ?
(1) 13%   (2) J 1%
(3) 6%   (4) 33%
(5) None of these

197. Mr. Deep Joshi's name was in news as he has been awarded
(1) Pulitzer Prize
(2) Raman Magsaysay Award
(3) Man Booker Prize
(4) Jamunalal Bajaj Award
(5) None of these

198. Bihar Sugarcane Amendment Bill (Regulation of Supply and purchase) 2007 will enable State Government to
(1) Purchase sugarcane from the farmers and supply it to sugar factories directly at a predetermined price. This wilt save farmers from exploitation by the factories who do not pay them adequately and in time.
(2) Produce ethanol from sugarcane
(3) Force farmers to sell their entire production of sugarcane to sugar mills in cooperative sector only and not to private mills who are paying exorbitantly high price to the farmers. Cooperative mills are not getting enough supply to keep them alive
(4) Compel farmers to produce sugarcane in at least 30% of their land as Bihar is losing its major share in sugarcane production due to unwillingness of farmers to grow sugarcane. They wish to switch over to other high cost crops which give them good returns
(5) None of these

199. Ms. Nirupama Rao has taken over as the new
(1) Home Secretary of India
(2) Foreign Secretary of India
(3) Cabinet Secretary of India
(4) Attorney General of India
(5) None of these

200. Who amongst the following is adjudged as the CEO of the year 2009 by the "Global Supply Chain Leaders" ?
0) Mr. LalitModi
(2) Mr. Yash Birla
(3) Mr. Kumar Mangalam Birla
(4) Ms. Indra Nooyi
(5) Mr. RatanTata

ENGLISH LANGUAGE

Directions (201-215) : Read the following passage carefully and answer the question given below it. Certain words have been printed in **bold** to help you locate them while answering some of the questions.

The education sector in India is in ferment, hit by a storm long waiting to happen. The butterfly that flapped its wings was the much-reiterated statement in a much publicised report that hardly a fourth of graduating engineers, and an even smaller percentage of other graduates, was of employable quality for IT-BPO jobs. This **triggered a cyclone** when similar views were echoed by other sectors which led to widespread debate. Increased industry-academia interaction, "finishing schools", and other efforts were initiated as immediate **measures** to **bridge** skill deficits. These, however, did not work as some felt that these are but band-aid solutions; instead, radical systemic reform is necessary.

Yet, there will be serious challenges to overdue reforms in the education system. In India-as in many countries-education is treated as a holy cow; sadly, the administrative system that oversees it has also been deceived. Today, unfortunately, there is no protest against selling drinking water or paying to be cured of illness, or for having to buy food when one is poor and starving; nor is there an outcry that in all these cases there are commercial companies operating on a profit-making basis. Why then, is there an instinctively adverse reaction to the formal entry of 'for-profit' institutes in the realm of education ? Is potable water, health or food, less basic a need, less important a right, than higher education ?

While there are strong arguments for free or subsidised higher education, **we are not writing** on **a blank page.** Some individuals and businessmen had entered this sector long back and found **devious** ways of making money, though the law stipulates that educational institutes must be 'not-for-profit' trusts or societies. Yet, there is opposition to the entry of for-profit" coroprates, which would be more **transparent** and accountable. As a result, desperately needed investment in **promoting** the wider reach of quality education has been stagnated at a time when financial figures indicate that the allocation of funds for the purpose is but a fourth of the need.

Well-run corporate organisations, within an appropriate regulatory framework, would be far better than the so-called trusts which-barring some **noteworthy** exceptions-are a blot on education. However, it is not necessarily a question of choosing one over the other : different organisational forms can coexist, as they do in the health sector. A regulatory framework which creates competition, in tandem with a rating system, would automatically ensure the quality and relevance of education. As in sectors like telecom, and packaged goods, organisations will quickly expand into the hinterland to tap the large unmet demand. Easy Loan/scholarship arrangements would ensure affordability and access.

The only real strcutural reform in higher education was the creation of the institutes for technology and management. They were also given autonomy and freedom beyond that of the universities. However, in the last few years, determined efforts have been underway to curb their autonomy. These institutes, however, need freedom to decide on recruitment, salaries and admissions, so as to compete globally.

However, such institutes will be few. Therefore, we need a regulatory framework that will enable and encourage States and the Centre, genuine philanthropists and also corporates to set up quality educational institutions. The regulatory system needs only to ensure transparency, accountability, competition and widely-available independent assessments or ratings. It is time for radical thinking, bold

experimentation and new structures; it is time for the government to bite the bullet.

201. Why, according to the author, did the initiatives such as increased industry-academia and finishing schools did not help to bridge the skill deficit ?

(A) These steps were only superficial remedies and the problem could be answered only by reforming the entire education system.

(B) These initiatives operated on a profit-making basis rather than aiming at any serious systemic reforms.

(C) The allocation of funds of such initiatives was only one-fourth of the need.

(1) Only A
(2) OnlyB
(3) OnlyB and C
(4) Only A and B
(5) None of these

202. Which of the following suggestions have been made by the author to improve the state of education in India?

(A) Allowing the corporate organisations to enter the education sector.

(B) Easy availability of loans and scholarships for making education more affordable.

(C) A rating system for all the organisations to ensure quality

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

203. According to the author, what **triggered a cyclone'** which saw similar views on the state of education being echoed across other sectors as well ?

(1) The campaign for allowing corporates in the education sector on a 'for-profit' basis

(2) The support for the increase in the industry-academia interaction

(3) The report mentioning that only a small percentage of graduates were employable in software industry

(4) The report supporting t he idea of making the education completely 'for-profit' in order to improve upon the standards

(5) None of these

204. Which argument does the author put forward when he compares the education sector with sectors catering to health and potable water etc. ?

(1) Education should also be provided free of cost to all as health services and water

(2) Taking an example from these sectors, there should be a protest against the commercialisation of education as well

(3) Allowing corporate entry in education would result in rampant corruption as in the sectors of health and potable water etc.

(4) As in these sectors, commercial organisations should also be allowed to enter the education sector

(5) None of these

205. What does the author mean by the phrase **we are not writing on a blank page'** in context of the passage ?

(1) Corporates would never enter education if they are forced to function on a non-profit making basis

(2) The commercialisation of education has already started in India

(3) Education has been reduced to a profit making sector by some corporate organisations

(4) Government will not allow corporates to enter education as India can't afford to have costly education

(5) None of these

206. What is the author's main objective in writing the passage ?

(1) To suggest the ways to improve quality of education in India

(2) To highlight the corruption present in the education sector

(3) To compare the education sector with other sectors

(4) To suggest some temporary solutions to the problems in education

(5) None of these

207. According to the author, which of the following was the only step taken in order to reform the higher education ?

(1) Allowing organisations to enter the education sector on a 'for-profit' basis

(2) Creation of autonomous institutes for management and technology which were not under university control

(3) Setting up the regulatory framwork for all the existing universities

(4) Making the availability of educational loans and scholarships easier

(5) None of these

208. Which suggestion does the author make in order to make the institutes of higher learning for technology and management capable of competing globally ?

(1) To limit their autonomy to acceptable limit and give partial controls to the government

(2) To allow corporate organisations to take them over in order to privide more funds

(3) To increase the allocation of funds to such institutes

(4) To provide freedom to decide on recruitment, salaries and admissions

(5) None of these

209. Which of the following is **not true** in context of the given passage ?

(1) According to the law, education institutes should not be run for profit

(2) There has been no protest against the selling of drinking water and paying for the health services

(3) Orily either corporate organisations or government controlled organisations can exist in the education sector

(4) The introduction of for-profit' corporates in the education sector has been facing a lot of criticism

(5) All are true

Directions (210 - 212): Choose the word which is **MOST similar** in meaning to the word printed in **bold** as used in the passage.

210. DEVIOUS

(1) Dishonest (2) Different
(3) Severe (4) Various
(5) Trivial

211. MEASURES
(1) Amount (2) Quantity
(3) Steps (4) Capacity
(5) Length

212. BRIDGE
(1) Connect (2) Eliminate
(3) Unite   Link
(5) Fuse

Directions (213 - 215): Choose the word/phrase which is **most opposite** in meaning to the word printed in **bold** as used in the passage.

213. PROMOTING
(1) Demoting
(2) Delaying
(3) Postponing
(4) Broadening
(5) Hampering

214. NOTEWORTHY
(1) Unnoticed
(2) Insignificant
(3) Indefinite
(4) Remarkable
(5) Obsolete

215. TRANSPARENT
(1) Reputed (2) Opaque
(3) Defective (4) Corrupt
(5) Thick

Directions (216 - 225): 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 will be the answer. If there is No error, the answer is (5). i.e. 'No error'. (Ignore the errors of punctuation, if any.)

216. I may go to the (1)/ swimming class tomorrow (2)/ if I have recovered (3)/ from the cold. (4)/ No error (5)

217. The prime minister announced (1)/ that the taxes will be (2)/ increasing from the (3)/ beginning of next year. (4)/ No error (5)

218. He is the most (1)/ intelligent and also (2)/ the very talented (3)/ student of the college. (4)/ No error (5)

219. She immediately quit (1)/ the job in which (2)/ neither the skill nor (3)/ knowledge were required. (4)/ No error (5)

2£0. The meteorological department (1)/ predicted that the **(2)/** rains and thunderstorm may (3)/ continue throughout today. (4)/ No error **(5)**

221. The cruel king believed (1)/ in punishing the prisoners (2)/ until they did not (3)/ confessed their crime. (4)/ No error (5)

222. As soon as the CEO (1)/ entered the office, the (2)/ union leaders approached him (3)/ and report the matter to him. (4)/ No error (5)

223. Instead of being a clear winner (1)/ he was not given (2)/ the best employee (3)/ of the year award, (4)/ No error (5)

224. Having been found (1)/ guilty of the theft, (2)/ Sunny was sentenced (3)/ to five year's imprisonment. (4)/ No error (5)

225. Instead of laying off (1)/ the workers, the company (2)/ decided to ask them (3)/ to avail voluntary retirement. (4)/ No error (5)

Directions (226 - 230): Which of the phrases (1), (2). (3) and (4) given below each statement should replace the phrase given in **bold** in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No correction is required', mark (5) as the answer.

226. The corruption charges were, a huge blow to his reputation and **his business suffered** to a great extent.
(1) his business suffers to
(2) his business suffered on
(3) his business suffering to
(4) his business suffers on
(5) No correction required

227. Airline companies pay nearly 25 billion dollars for **their right of fly** over the countries other than their parent country.
(1) their right to fly
(2) their right in flying
(3) their right to flying
(4) there right to flight
(5) No correction required

228. When he fell down the ditch, **he** shouted with all his might **so that to catch** someone's attention.
(1) such that to catch
(2) so as to catch
(3) so that to catching
(4) so then to catch
(5) No correction required

229. To disparity between the earnings of the poor and the rich **has widen in** the last few decades.

(1) have widen in
(2) has widened on
(3) have widened in
(4) has widened in
(5) No correction required

230. Instead of teaching abstracted concepts, the new and improved textbooks tell stories of real people so that the children can identify with the characters.
(1) Inspite of teaching abstracted
(2) Instead of taught abstract
(3) Instead of teaching abstract
(4) Inspite of taught abstract
(5) No correction required

Directions (231 - 235) : Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow: .

(A) The blame for lacking creativity is, however, put on the present generation by the modern educationists.

(B) The concept of home-work began so that the pupils could revise that was being taught in the class.

(C) By doing so, most of the schools took away the leisure time of the children.

(D) Instead, these educationists .should suggest lowering of burden of homework to the commission for educational reforms.

(E) The purpose of this concept was, however, defeated when the schools started overburdening students with so called homework.

(F) Lack of such leisure time does not allow the children to develop creative pursuits.

231. Which of the following sentence should be the **THIRD** after rearrangement ?
(1) A   (2) E
(3) D   (4) F
(5) C

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

233. Which of the following sentence should be the **SECOND** after rearrangement ?
(1) A   (2) B
(3) D   (4) E
(5) F

234. Which of the following sentence should be the **SIXTH (LAST)** after rearrangement ?
(1) B   **(2)** C
(3) D   (4) E
(5) F

235. Which of the following sentence should be the **FIFTH** after rearrangement ?
(D A   **(2)** B
(3) C   (4) E
(5) F

Directions (236 - 240) : Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

236. As the boat_____, all those on board fortunately managed to reach the bank of the river_____, with the help of the life boats.
(1) capasized.   drowned
(2) fell.   harmlessly
(3) dropped,   uninjured
(4) deceased,   unhurt
(5) sank,   safely

237. Ashima_____her team with a lot of skill and the_____increaser in the sales by the team is a measure of her success.
(1) dominates,   poor
(2) condemns,   sudden
(3) manages,   significant
(4) directs,   worthless
(5) overpowers,   exceptional

238. On being asked for the passport, he_____to his dismay that he had ___1 to bring it along with him to the airport.
(1) shocked,   failed
(2) realized,   forgotten
(3) pleaded,   neglected
(4) understood,   lost
(5) recognized.   missed

239. Helen quickly._____the career ladder and is now the_____managing director, the company has ever appointed.
(1) jumped,   shortest
(2) entered,   oldest
(3) started,   junior most
(4) climbed,   youngest
(5) ascended.   inexperienced

240. A famous economist says that the government should do more to____ jobs in the area in order to curb the_____rate of unemployment.

(1) create,   rising
(2) need,   increasing
(3) employ,   high
(4) invent,   growing
(5) generate.   slowing

Directions (241 - 250) : 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/ phrases are suggested one of which best fits the blank appropriately. Find out the appropriate word/phrase in each case.

As the temperature **(241)** during the summer season, many households turn to air conditioners to keep them cool. Air conditioners which were once regarded as a residential luxury have now become a **(242).** Enjoying a cooler atmosphere during hot weather is not the only benefit of using the air conditioner. A household, a vehicle, or a building becomes cleaner and safer for breathing as air conditioning also **(243)** the growth and spread of harmful microorganisms.

_____ the _____ benefits, some disadvantages are also **(244)** with it. One of the most controversial topics of air conditioning deals with some of the materials that are used to produce the cooling effect - Fluorocarbons. These refrigerants **(245)** to global warming and are **(246)** as one of the main ways in which air-conditioning **(247)** the invironmnet. Fluorocarbon refrigerants also add to the problems concerning ozone layer depletion.

While air conditioning provides a temporary relief and makes heat wave more bearable, many questions have been **(248)** on how much the world will pay in the long run in terms of the environmental damage that it has caused. Today, scientists are **(249)** on making more environmental friendly products, but for now, individuals are **(250)** to part with their instant cool during the thick of summer.

241. (1) decreases   **(2)** rises
(3) deviates   (4) fluctuates
(5) varies

242. (1) irreplaceable
(2) obligatory
(3) certainty
(4) necessity
(5) redundancy

243. (1) prevents   **(2)** escapes
(3) kills   (4) removes
(5) purifies

244. **(1)** resulted   **(2)** caused
(3) associated   (4) influenced
(5)created

245. (1) result   **(2)** determine
(3) affect   (4) outcome
(5) contribute

246. (1) attended   **(2)** presumed
(3)regarded   (4) valued
(5) responsible

247. (1) helps   **(2)** impacts
(3) decline   (4) distintegrates
(5) improves

248. (1) thought   (2) explained
(3) expected   (4) interrogated
(5) raised

249. (1) trying   **(2)** expected
(3) developing   (4) working
(5) inventing

250. **(1)** disabled
(2) helpless
(3) unwanted
(4) aware
(5) reluctant

ANSWERS

1. (1)	2. (5)	3. (1)	4. (4)
5. (5)	6. (5)	7. (3)	8. (2)
9. (3)	10. (2)	11. (3)	12. (1)
13. (4)	14. (3)	15. (2)	16. (1)
17. (1)	18. (2)	19. (5)	20. (4)
21. (4)	22. (2)	23. (3)	24. (2)
25. (4)	26. (5)	27. (1)	28. (5)
29. (4)	30. (2)	31. (5)	32. (2)
33. (3)	34. (3)	35. (3)	36. (1)
37. (2)	38. (5)	39. (1)	40. (3)
41. (4)	42. (4)	43. (1)	44. (5)
45. (4)	46. (4)	47. (1)	48. (5)
49. (3)	50. (5)	51. (1)	52. (4)
53. (2)	54. (4)	55. (5)	56. (5)
57. (4)	58. (1)	59. (3)	60. (2)
61. (3)	62. (2)	63. (4)	64. (1)
65. (5)	66. (4)	67. (2)	68. (1)
69. (3)	70. (1)	71. (1)	72. (3)
73. (1)	74. (2)	75. (5)	76. (1)
77. (4)	78. (4)	79. (2)	80. (1)

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

EXPLANATIONS

1. (1) Except 215, all others are multiples of 13.

$143 = 13 \times 11$; $247 = 13 \times 19$;
$91 = 13 \times 7$; $65 = 13 \times 5$
But, $215 = 13 \times 16.53$
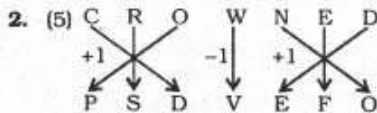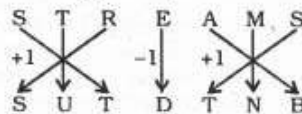
2. (5) C R O W N E D
   +1 —1 +1
   P S D V E F O

Similarly,

S T R E A M S
+1 —1 +1
S U T D T N B

3. (1) 1 2 3 4 → 4 1 3 2
D E A N → N D A E

1 2 3 4 → 4 1 3 2
R O A D → D R A O

Therefore,

1 2 3 4 → 4 1 3 2
S O M E → E S M O

4. (4)
→ R — 10 — M
15th ←

R's position from the right end
= 15 + 10 + 1 = 26th
Therefore, R's position from the left end
= 35 – 26 + 1 = 10th
The position of R may be to the right of M. In this case his position from the left end would be
= 35 – 5 + 1 = 31st

5. (5) Except Diamond, all others are metals. Diamond is an allotrope of carbon.

6. (5) A, Q > T > P, B
P is not the shortest.
A, Q > T > P > B
Either A or Q is the tallest.

7. (3) Meaningful Words ⇒ BEAR, BARE

8. (2) T R A I N   M E A L
   ↓ ↓ ↓ ↓ ↓   ↓ ↓ ↓ ↓
   3 9 ★ 7 %   4 $ ★ @
Therefore,
   I T E M
   ↓ ↓ ↓ ↓
   7 3 $ 4

9. (3)
15 2 10 5 3 20 9 22 5
O B J E C T I V E

10. (2) T O L E R A N T
   —1 +1 —1 +1 —1 +1 —1 —1
   S P K F Q B M S

   B F K M [P] Q S S
              ↑
       4th from right

11. (3) 8 4 2 9 5 1 6

   1 2 4 5 6 8 9

12. (1) 8 5 3 4 1 2 7 9
   5 8 4 3 2 1 [9] 7

13. (4) over [and] above → da [pa] ta
   old [and] beautiful → sa na [pa]

   The code for 'over' is either 'da' or 'ta'.

14. (3) H G F E D C B A
   G F E D C B A
   G F E D C B
   [F] E D C B

15. (2) According to Mohan, his father's birthday may be on 17th, 18th or 19th January.
   According to Mohan's sister, their father's birthday may be on 19th, 20th, 21st or 22nd January.
   Common Date ⇒ 19th January.

16. (1) 20 R 5 W 12 M 3 P 4 = ?
   ⇒ ? = 20 ÷ 5 + 12 – 3 × 4
   ⇒ ? = 4 + 12 – 12 = 4

17. (1) 832 ⇒ 823; 719 ⇒ 791;
   654 ⇒ 645; 967 ⇒ 976;
   481 ⇒ 418
   Third highest number ⇒ 791
   7 + 9 = 16

18. (2) Second lowest number ⇒ 654
   6 + 4 = 10

19. (5) 832 ⇒ 382; 719 ⇒ 179;
   654 ⇒ 564; 967 ⇒ 697;
   481 ⇒ 841
   841 – 697 = 144

20. (4) 832 ⇒ 238; 719 ⇒ 917;
   654 ⇒ 456; 967 ⇒ 769;
   481 ⇒ 184
   Lowest number ⇒ 184
   8 + 4 = 12

(21–27):
   (i) All chairs are keys → Universal Affirmative (A-type).
   (ii) Some balloons are mirrors → Particular Affirmative (I-type).

(iii) No window is house → Universal Negative (E-type).

(iv) Some windows are not houses → Particular Negative (O-type).

21. (4) All chairs are keys.

All keys are balloons.

$A + A \Rightarrow$ A-type of Conclusion "All chairs are balloons". Conclusion II is Converse of it. Conclusion III is Converse of the third Premise.

22. (2) Some drums are posters.

All posters are windows.

$I + A \Rightarrow$ I-type of Conclusion "Some drums are windows". Conclusion I is Converse of it.

Some windows are tablets.

All tablets are books.

$I + A \Rightarrow$ I-type of Conclusion "Some windows are books.".

23. (3) All the four Premises are Particular Affirmative (I-type). No Conclusion follows from two Particular Premises. Conclusions I and III form Complementary Pair. Therefore, either I or III follows.

24. (2) All doors are windows.

Now window is house.

$A + E \Rightarrow$ E- type of Conclusion "No door is house."

Some houses are buildings.

All buildings are skies.

$I + A \Rightarrow$ I-type of Conclusion "Some houses are skies." Conclusion II is Converse of it.

25. (4) All rivers are walls.

All walls are stones.

$A + A \Rightarrow$ A-type of Conclusion "All rivers are stones."

All rivers are stones.

All stones are clothes.

$A + A \Rightarrow$ A-type of Conclusion "All rivers are clothes". Conclusion II is Converse of it.

All walls are stones.

All stones are clothes.

$A + A \Rightarrow$ A-type of Conclusion "All walls are clothes". It is Conclusion III.

All stones are clothes.

All clothes are trees.

$A + A \Rightarrow$ A-type of Conclusion "All stones are trees." Conclusion I is Converse of it.

26. (5) Some glasses are plates.

All plates are buses.

$I + A \Rightarrow$ I-type of Conclusion "Some glasses are buses." Conclusion III is Converse of it.

All plates are buses.

All buses are cars.

$A + A \Rightarrow$ A-type of Conclusion "All plates are cars."

Some glasses are buses.

All buses are cars.

$I + A \Rightarrow$ I-type of Conclusion "Some glasses are cars" Conclusion II is Converse of it.

27. (1) Some pens are ropes.

All ropes are discs.

$I + A \Rightarrow$ I-type of Conclusion "Some pens are discs."

28. (5) 12th to the left of 21st from the left means 9th from the left, i.e., F.

29. (4) According to the question, new sequence would be :

B@DA©F% R̲ HE★NSUWPTδV#YI
15th from the right end

30. (2) | Symbol | Consonant | Vowel |

Such combination is : @DA

31. (5) Asterisk (★) is in between E and N.

32. (2) $5 \xrightarrow{+2} 6 \xrightarrow{-4} 2$

$W \xrightarrow{+2} P \xrightarrow{-3} U$

$© \xrightarrow{+2} 9 \xrightarrow{-4} D$

$δ \xrightarrow{+2} \# \xrightarrow{-4} T$

$U \xrightarrow{+2} 3 \xrightarrow{-4} \$$

33. (3) | Consonant | Symbol | Number |

Such combinations are :

F%2 , NS1

34. (3) | Letter | Number | Symbol |

Such combinations are :

B4@ , T8δ

35. (3)
O	H	B	W	D	F	T
↓	↓	↓	↓	↓	↓	↓
8	9	★	5	1	@	8

Condition (ii) is applicable.

36. (1)
A	H	B	W	M	P	E
↓	↓	↓	↓	↓	↓	↓
7	9	★	5	S	6	%

37. (2)
F	E	P	W	B	U	H
↓	↓	↓	↓	↓	↓	↓
#	%	6	5	★	©	#

Condition (iii) is applicable.

38. (5)
H	O	P	D	A	M	I
↓	↓	↓	↓	↓	↓	↓
δ	4	6	1	7	$	9

Condition (i) is applicable.

39. (1)
U	A	Q	F	J	P	E
↓	↓	↓	↓	↓	↓	↓
©	7	3	@	2	6	%

40. (3)
I	T	J	Q	F	M	P
↓	↓	↓	↓	↓	↓	↓
6	8	2	3	@	$	6

Condition (ii) is applicable.

41. (4)
D	E	J	A	T	M	I
↓	↓	↓	↓	↓	↓	↓
δ	%	2	7	8	S	1

Condition (i) is applicable.

(42–48) : After careful analysis of the Input and various steps of rearrangement it is evident that in each step one number or word is rearranged. The numbers are rearranged in descending order while the words are rearranged according to dictionary.

42. (4)

Input : organise 19 12 stable room 35 72 house

Step I : 72 organise 19 12 stable room 35 house

Step II : 72 house organise 19 12 stable room 35

Step III : 72 house 35 organise 19 12 stable room

Step IV : 72 house 35 organise 19 room 12 stable

43. (1)

Input : bake never store 51 26 33 age 49

Step I : 51 bake never store 26 33 age 49

Step II : 51 age bake never store 26 33 49

Step III : 51 age 49 bake never store 26 33

Step IV : 51 age 49 bake 33 never store 26

Step V : 51 age 49 bake 33 never 26 store

44. (5)

Input : always go there 39 62 47 time 24

Step I : 62 always go there 39 47 time 24

Step II : 62 always 47 go there 39 time 24

Step III : 62 always 47 go 39 there time 24

Step IV : 62 always 47 go 39 there 24 time

45. (4) From the given Steps we cannot determine the Input.

46. (4)

Step III : 84 for 56 29 17 won loss game

Step IV : 84 for 56 game 29 17 won loss

Step V : 84 for 56 game 29 loss 17 won

47. (1)

Step III : 86 box 63 18 gear card 51 new

Step IV : 86 box 63 card 18 gear 51 new

Step V : 86 box 63 card 51 18 gear new

Step VI : 86 box 63 card 51 gear 18 new

48. (5)

Step IV : 59 bend 46 card 14 27 win now

Step V : 59 bend 46 card 27 14 win now

Step VI : 59 bend 46 card 27 now 14 win

(49–55) :

% $\Rightarrow$ =	$ \Rightarrow$ >	© $\Rightarrow$ <
★ $\Rightarrow$ ≤	@ $\Rightarrow$ ≥	

49. (3) V © K $\Rightarrow$ V < K

K @ B $\Rightarrow$ K ≥ B

B $ M $\Rightarrow$ B > M

Therefore, V < K ≥ B > M

Conclusions

I. V © B $\Rightarrow$ V < B : Not True

II. M © K $\Rightarrow$ M < K : True

III. M © V $\Rightarrow$ M < V : Not True

50. (5) D ★ R $\Rightarrow$ D ≤ R

R % F $\Rightarrow$ R = F

F $ T $\Rightarrow$ F > T

Therefore, D ≤ R = F > T

Conclusions

I. F % D $\Rightarrow$ F = D : Not True

II. F $ D $\Rightarrow$ F > D : Not True

Either I or II is true.

III. T © R $\Rightarrow$ T < R : True

51. (1) N @ D $\Rightarrow$ N ≥ D

D ★ K $\Rightarrow$ D ≤ K

K $ A $\Rightarrow$ K > A

Therefore, N ≥ D ≤ K > A

Conclusions

I. K @ N $\Rightarrow$ K ≥ N : Not True

II. A © D $\Rightarrow$ A < D : Not True

III. N $ A $\Rightarrow$ N > A : Not True

52. (4) K @ T $\Rightarrow$ K ≥ T

T $ N $\Rightarrow$ T > N

N © R $\Rightarrow$ N < R

Therefore, K ≥ T > N < R

Conclusions

I. R $ K $\Rightarrow$ R > K : Not True

II. N ★ K $\Rightarrow$ N ≤ K : Not True

III. K $ N $\Rightarrow$ K > N : True

53. (2) W % K $\Rightarrow$ W = K

K © F $\Rightarrow$ K < F

D $ F $\Rightarrow$ D > F

Therefore, W = K < F < D

Conclusions

I. D $ K $\Rightarrow$ D > K : True

II. D $ W $\Rightarrow$ D > W : True

III. F @ W $\Rightarrow$ F ≥ W : Not True

54. (4) B ★ K $\Rightarrow$ B ≤ K

K © F $\Rightarrow$ K < F

F % R $\Rightarrow$ F = R

Therefore, B ≤ K < F = R

Conclusions

I. R $ K $\Rightarrow$ R > K : True

II. R $ B $\Rightarrow$ R > B : True

III. F $ B $\Rightarrow$ F > B : True

55. (5) H $ M $\Rightarrow$ H > M

M % D $\Rightarrow$ M = D

D @ K $\Rightarrow$ D ≥ K

Therefore, H > M = D ≥ K

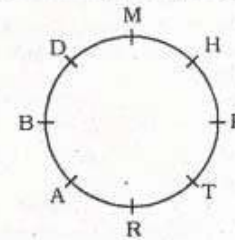**Conclusions**

I. H $ D $\Rightarrow$ H > D : True

II. K ★ M $\Rightarrow$ K ≤ M : True

III. K © H $\Rightarrow$ K < H : True

(56–60) : Sitting arrangement

56. (5) D and M are respectively the first and second to the left of B.

57. (4) M is third to the right of T.

58. (1) P is to the immediate left of H.

59. (3) M is second to the left of B.

60. (2) M is second to the left of B.

(61–70) :

Candi-date	Conditions							
	(i)	(ii)	(iii)	(iv) or (a)		(v)	(vi) or (b)	
Neelam	✓	✓	✓	✓	–	✓	–	✓
Anirban	✓	✓	✓	✓	–	✗	✓	–
Vaibhav	✓	✓	✓	–	✓	✓	✓	–
Sudha	✓	✓	✓	✓	–	✓	✓	–
Ashok	✓	NG	✓	✓	–	✓	✓	–
Suparna	✓	✓	✓	–	✓	✓	✓	–
Balwant	✓	✓	✗	–	✓	✓	✓	–
Abhishek	✓	✓	✓	✓	–	✓	✓	–
Shikha	✓	✓	✓	✓	–	✓	–	✓
Navin	✓	✓	✓	✓	–	✓	✓	–

61. (3) Neelam Johri satisfies conditions (i), (ii), (iii), (iv), (v) and (b). Therefore, she would be kept on waiting list.

62. (2) Anirban Chowdhury does not satisfy condition (v).

63. (4) Vaibhav Joshi satisfies conditions (i), (ii), (iii), (a), (v) and (vi). Therefore, his case would be referred to VP–Finance.

64. (1) Sudha Motwani satisfies all the conditions. Therefore, she can be selected.

65. (5) There is no information about condition (ii).

66. (4) Suparna Desai satisfies conditions (i), (ii), (iii), (a), (v) and (vi). Therefore, her case would be referred to VP–Finance.

67. (2) Balwant Singh does not satisfy condition (iii).

68. (1) Abhishek Saha satisfies all the conditions.

69. (3) Shikha Rastogi satisfies conditions (i), (ii), (iii), (iv), (v) and (b). Therefore, she would be kept on waiting list.

70. (1) Navin Shukla satisfies all the conditions.

71. (1) Consider the following line of the passage :

"Slum dwellers are characterised by .... susceptible to poor health conditions."

72. (3) There is no information about the developed countries.

73. (1) Consider the following line of the passage :

"Slum dwellers are characterised by low productivity....".

Therefore, it can be assumed that the inference is true.

74. (2) Consider the following line of the passage :

"In its most ...... The program could free up thousands of acres of valuable government land.....".

Thus, the inference is probably true.

75. (5) Consider the last line of the passage.

76. (1) Only Course of action I seems to be appropriate. First course of action properly handles the situation.

77. (4) None of Courses of action is suitable for pursuing. Both the courses of action are very harsh steps.

78. (1) None of the courses of action seems to be appropriate. The termination of services of motormen does not serve the purpose.

79. (2) Only Course of action II seems to be appropriate. Course of action I may give rise another problem.

80. (1) Only Course of action I seems to be appropriate. Course of action II does not address the problem properly.

81. (1) If the Government has decided to construct super highway, it implies that the Government has adequate resources to construct it.

82. (2) The statement given against option (2) contradicts the finding.

83. (3) The third statement shows that impact of flu is diminishing.

84. (5) All the four statements are possible effects.

85. (3) The third statement is the probable cause of price rise in case of petroleum products.

86. (1) In the subsequent figures the triangle gets inverted and the top circle moves down and up alternately. Again, respectively, one, two, two, three, one .... design(s) get(s) shaded.

87. (3) In each subsequent figure the asterisk and circle move one side in clockwise direction. The triangle and the square move in anticlockwise direction along the sides of hexagon and one design gets shaded and vice-versa.

88. (5) In each subsequent figure the main design rotates through 90° anticlockwise and one line segment moves to the opposite side.

89. (3) In the subsequent figures alternately two and three line segments are deleted in a set order.

90. (2) The problem is based on the rule (1) = (5) and hence (2) = (6).

91. (3) From Problem Figure (1) to (5) the design gets inverted. Therefore, in Answer Figure the design of Problem Figure (2) will be inverted.

92. (4) From Problem Figure (1) to (2) small line segment is added to the design and a new design appears. From Problem Figure (2) to (3) the first design is inverted laterally and a small line segment is added to the second design. From Problem Figure (3) to (4) the first two designs are inverted laterally and a new design appears. Similar changes are continued in the subsequent figures.

93. (4) In each subsequent figure the shaded circle moves one side in anticlockwise direction while the other design moves to the opposite and one circle is deleted.

94. (1) In each subsequent figure one arc is added in a set order.

95. (5) In each subsequent figure in the triangle and the circle move one side in anticlockwise direction and one line segment is added inside the square.

96. (3) In each subsequent figure the main design rotates through 90° anticlockwise and the inner design is replaced with a new design.

97. (5) In the subsequent figures alternately half and one line segment are added respectively.

98. (4) This problem is based on the rule (1) = (5) and hence (2) = (6).

99. (2) In the subsequent figures the pattern (O, Ø and ●) of circle is repeated and the circle moves along the line segment in each subsequent figure.

100. (2) In the subsequent figures new designs are added and the number of each type of design is increasing by one.

101. (5) $? = \dfrac{5}{4} + \dfrac{14}{9} \times \dfrac{13}{8} \times \dfrac{2}{13}$

$= \dfrac{5}{4} + \dfrac{7}{18} = \dfrac{45 + 14}{36} = \dfrac{59}{36} = 1\dfrac{23}{36}$

102. (5) $17^2 = 17^{\frac{x}{5}} \Rightarrow \dfrac{x}{5} = 2$

$\Rightarrow x = 2 \times 5 = 10$

103. (5) $? = 0.001 - 0.001 \times \dfrac{1}{10} + 0.01$

$= 0.001 - 0.0001 + 0.01 = 0.0109$

104. (4) $\dfrac{x \times 500}{100} = \dfrac{y \times 300}{100} \Rightarrow 5x = 3y$

$\Rightarrow y = \dfrac{5}{3}x$ ....(i)

Again, $\dfrac{xy \times 200}{100 \times 100} = 60$

$\Rightarrow xy = 3000 \Rightarrow x \times \dfrac{5}{3}x = 3000$

$\Rightarrow x^2 = \dfrac{3000 \times 3}{5} = 1800$

$\Rightarrow x = \sqrt{1800} = \sqrt{2 \times 3 \times 3 \times 10 \times 10}$

$= 30\sqrt{2}$

105. (4) $? = \dfrac{16 \times 32}{9 \times 27 \times 81}$

$= \dfrac{2^4 \times 2^5}{3^2 \times 3^3 \times 3^4} = \left(\dfrac{2}{3}\right)^9$

106. (4) $? = 23.999 \times 9.004 \times 16.997$

$\approx 24 \times 9 \times 17 = 3672$

$\therefore$ Required answer = 3700

107. (1) $? = 5\dfrac{7}{9} \times 8\dfrac{4}{5} \times 9\dfrac{2}{3}$

$= 6 \times 9 \times 9 = 486$

$\therefore$ Required answer = 490

108. (2) $? = 5940 \div 28 \div 6$

$= \dfrac{6000}{28 \times 6} = 35$

109. (1) $? = \dfrac{850 \times 16}{100} + \dfrac{650 \times 25}{100}$

$= 136 + 162.50 = 298.50$

$\therefore$ Required answer = 295

110. (5) $47 \times 47 = 2209$

$\therefore \sqrt{2230} \approx 47$

111. (3) The pattern of the number series is :

$8 + 3^1 = 11$

$11 + 3^2 = 11 + 9 = 20 \ne \boxed{17}$

$20 + 3^3 = 20 + 27 = 47$
$47 + 3^4 = 47 + 81 = 128$
$128 + 3^5 = 128 + 243 = 371$

112. (3) The pattern of the number series is :
$1 + 2^2 = 1 + 4 = 5$
$5 + 2^3 = 5 + 8 = 13$
$13 + 2^4 = 13 + 16 = 29 \neq \boxed{31}$
$29 + 2^5 = 29 + 32 = 61$
$61 + 2^6 = 61 + 64 = 125$

113. (2) Let Vimal's expense be Rs. 100.
∴ Aman's expense = Rs. 130
and Raman's expense
$= \dfrac{100}{90} \times 100 = Rs. \dfrac{1000}{9}$

∴ Ratio of the expenses of Vimal, Aman and Raman respectively
$= 100 : 130 : \dfrac{1000}{9}$
$= 90 : 117 : 100$

∴ Aman expense
$= \dfrac{117}{90 + 117 + 100} \times 6447$
$= \dfrac{117}{307} \times 6447 = Rs. 2457$

114. (1) $x : 336 = 400 : 192$
$\Rightarrow x \times 192 = 336 \times 400$
$\Rightarrow x = \dfrac{336 \times 400}{192} = 700$

115. (4) Total electric consumption
$= (10 \times 16 \times 8 + 3 \times 10 \times 8)$ units
$= (1280 + 240)$ units = 1520 units

116. (3) S.I. $= \dfrac{Principal \times Time \times Rate}{100}$
$= Rs. \left(\dfrac{4000 \times 2 \times 5}{100} \right) = Rs. 400$

∴ Amount received
= Rs. (4000 + 400)
= Rs. 4400

117. (3) Four years ago,
Shyam : Ram = 3 : 4
After four years,
$\dfrac{3x + 8}{4x + 8} = \dfrac{5}{6}$
$\Rightarrow 20x + 40 = 18x + 48$
$\Rightarrow 2x = 48 - 40 = 8$
$\Rightarrow x = \dfrac{8}{2} = 4$
∴ Shyam's present age = $3x + 4$
$= 3 \times 4 + 4 = 16$ years

118. (2) Difference of marks
$= 72 + 61 - 48 - 65 = 20$
∴ Correct average marks
$= 68 + \dfrac{20}{20} = 69$

119. (3) Number of selections
$= {}^8C_5 = {}^8C_3$
$[{}^nC_r = {}^nC_{n-r}] = \dfrac{8 \times 7 \times 6}{1 \times 2 \times 3} = 56$

120. (1) Distance between Ramgarh and Devgarh
$= \dfrac{50 \times 44}{60} = \dfrac{110}{3}$ km
New speed = 55 kmph
$= \dfrac{55}{60}$ km/minute
∴ Required time $= \dfrac{Distance}{Speed}$
$= \dfrac{110}{3} \times \dfrac{60}{55} = 40$ minutes

121. (2) I. $x^2 - 1 = 0$
$\Rightarrow (x + 1)(x - 1) = 0$
$\Rightarrow x = -1$ or 1
II. $y^2 + 4y + 3 = 0$
$\Rightarrow y^2 + 3y + y + 3 = 0$
$\Rightarrow y(y + 3) + 1(y + 3) = 0$
$\Rightarrow (y + 1)(y + 3) = 0$
$\Rightarrow y = -1$ or -3
Clearly, $x \geq y$

122. (4) I. $x^2 - 7x + 12 = 0$
$\Rightarrow x^2 - 4x - 3x + 12 = 0$
$\Rightarrow x(x - 4) - 3(x - 4) = 0$
$\Rightarrow (x - 3)(x - 4) = 0 \Rightarrow x = 3$ or 4
II. $y^2 - 12y + 32 = 0$
$\Rightarrow y^2 - 8y - 4y + 32 = 0$
$\Rightarrow y(y - 8) - 4(y - 8) = 0$
$\Rightarrow (y - 4)(y - 8) = 0 \Rightarrow y = 4$ or 8
Clearly, $x \leq y$

123. (3) I. $x^3 - 371 = 629$
$\Rightarrow x^3 = 371 + 629 = 1000$
$\Rightarrow x = \sqrt[3]{1000} = 10$
II. $y^3 = 543 + 788 = 1331$
$\Rightarrow y = \sqrt[3]{1331} = 11$
Clearly, $x < y$

124. (1) By equation I × 3 – equation II × 5, we have,
$15x + 6y - 15x - 35y = 93 - 180$
$\Rightarrow -29y = -87 \Rightarrow y = \dfrac{87}{29} = 3$
From equation I,
$5x + 2 \times 3 = 31$
$\Rightarrow 5x = 31 - 6 = 25 \Rightarrow x = 5$
Clearly, $x > y$

125. (5) I. $2x^2 + 11x + 12 = 0$
$\Rightarrow 2x^2 + 8x + 3x + 12 = 0$
$\Rightarrow 2x(x + 4) + 3(x + 4) = 0$
$\Rightarrow (x + 4)(2x + 3) = 0$
$\Rightarrow x = -4$ or $-\dfrac{3}{2}$
II. $5y^2 + 27y + 10 = 0$
$\Rightarrow 5y^2 + 25y + 2y + 10 = 0$
$\Rightarrow 5y(y + 5) + 2(y + 5) = 0$
$\Rightarrow (y + 5)(5y + 2) = 0$
$\Rightarrow y = -5$ or $-\dfrac{2}{5}$

Calculation (126–130)
Number of boys $= \dfrac{3}{8} \times 504 = 189$
Number of girls = (504 – 189)
= 315
Girls who participated in dance
$= 315 \times \dfrac{1}{5} = 63$
Remaining girls = 315 – 63 = 252
Girls who participated in solo song
$= \dfrac{2}{9} \times 252 = 56$
Girls who participated in group
song $= \dfrac{3}{9} \times 252 = 84$
Girls who participated in drama
$= \dfrac{4}{9} \times 252 = 112$
Boys who participated in group
song $= \dfrac{2}{3} \times 189 = 126$
Remaining boys = 189 – 126 = 63
Boys who participated in solo song
$= \dfrac{4}{9} \times 63 = 28$
Boys who participated in dance
$= \dfrac{5}{9} \times 63 = 35$

126. (1) Required percentage
$= \dfrac{35}{189} \times 100 = 19\%$

127. (1) Required percentage
$= \dfrac{56}{504} \times 100 = 11\%$

128. (2) Required number of girls
= 84 + 112 = 196

129. (1) Required ratio = 28 : 56
= 1 : 2

130. (3) Required difference
= 63 – 35 = 28

131. (3) $x + x + 2 + x + 4 + x + 6 = 284$

$\Rightarrow 4x = 284 - 12 = 272$

$\Rightarrow x = \dfrac{272}{4} = 68$

132. (3) $\dfrac{(a-b)^2 - (a+b)^2}{-4a} = \dfrac{x}{y}$

$\Rightarrow \dfrac{-4ab}{-4a} = \dfrac{x}{y} \Rightarrow \dfrac{x}{y} = b \Rightarrow x = by$

133. (3) $x \times \dfrac{6}{5} \times \dfrac{3}{5} \times \dfrac{1}{4} = 54$

$\Rightarrow x = \dfrac{54 \times 100}{18} = 300$

134. (2) Total age of 5 member family
$= 24 \times 5 = 120$ years
Total age 8 years ago
$= 120 - 5 \times 8 = 80$ years
∴ Required average age

$= \dfrac{80}{5} = 16$ years

135. (3) If the maximum marks be x,

then $x \times \dfrac{35}{100} = 40 + 30$

$\Rightarrow x = \dfrac{70 \times 100}{35} = 200$

136. (1) Rate of painting = Rs. 2/sq.metre
∴ Area of the rectangular floor

$= \dfrac{256}{2} = 128$ sq.m.

Let the breadth of floor be x metre
∴ length = $2x$ metre
∴ $2x \times x = 128$

$\Rightarrow x^2 = \dfrac{128}{2} = 64$

∴ $x = \sqrt{64} = 8$
∴ Length of floor = $2x = 2 \times 8$
= 16 metre

137. (5) Let $\angle A = x°$
∴ $\angle B = x + 26$

$\angle C = \dfrac{x + 26}{2} = \dfrac{x}{2} + 13$

$\angle D = \dfrac{x}{2} + 3$

∴ $x + x + 26 + \dfrac{x}{2} + 13 + \dfrac{x}{2} + 3$

$= 360°$

$\Rightarrow 3x = 360 - 42 = 318°$

$\Rightarrow x = \dfrac{318}{3} = 106°$

138. (2) $x - \dfrac{x}{7} = 180$

$\Rightarrow \dfrac{6x}{7} = 180 \Rightarrow x = \dfrac{180 \times 7}{6} = 210$

139. (5) Required ratio = $6 : 4 = 3 : 2$

140. (3) Time gained in 6 hours
$= 12 \times 3 = 36$ minutes
∴ Required time = 11 : 36 a.m.

141. (1) Required percentage

$= \dfrac{42}{490} \times 100 \approx 9\%$

142. (2) Required ratio
$= (120 - 30) : (30 + 30)$
$= 90 : 60 = 3 : 2$

143. (5) Number of businessmen
$= 45 + 19 = 64$
∴ Required percentage

$= \dfrac{64}{640} \times 100 = 10\%$

144. (3) Required ratio
$= 280 : (180 + 30)$
$= 280 : 210 = 4 : 3$

145. (4) Required percentage

$= \dfrac{45}{(180 + 45)} \times 100$

$= \dfrac{45}{225} \times 100 = 20\%$

146. (1) Required difference = $(15 - 5)\%$
of Rs. 500 lakh

$= $ Rs. $\dfrac{500 \times 10}{100}$ lakh

$= $ Rs. 50 lakh

147. (5) Fund received from government agencies

$= $ Rs. $\dfrac{500 \times 45}{100}$ lakh = Rs. 225 lakh

Expenditure in the maintenance of school.

$= $ Rs. $\dfrac{500 \times 20}{100}$ lakh

$= $ Rs. 100 lakh
∴ Remaining fund = $225 - 100$
= Rs. 125 lakh

148. (4) Amount received from donation

$= $ Rs. $\dfrac{500 \times 35}{100}$ lakh

$= $ Rs. 165 lakh
Amount given in scholarship

$= \dfrac{15 \times 500}{100} = $ Rs. 75 lakh

∴ Required percentage

$= \dfrac{75}{165} \times 100 \approx 45\%$

149. (3) Required amount

$= \dfrac{500 \times 30}{100} = $ Rs. 150 lakh

150. (4) Fund received from government agencies = Rs. 225 lakh
151. (5) All A, B and C
152. (1) Only A
153. (2) Micro credit
154. (5) All A, B and C
155. (4) All A, B and C
156. (3) Crude oil and Petroleum
157. (2) Coal
158. (5) Tax on water supply and drainage etc
159. (4) Rs. 60,000 crore
160. (1) D. Subbarao
161. (4) All A, B and C
162. (4) Purchasing Power Parity
163. (1) National Mission For Female Literacy
164. (1) Pradhan Mantri Gram Sadak Yojana
165. (2) Only B
166. (2) Only B
167. (4) Indian Institute of Technology (Delhi)
168. (1) Only A
169. (3) P. Chidambaram
170. (3) Increase exemption limit on personal income tax upto Rs. 5,00,000
171. (1) These projects are developed only in hillyi areas. They can't be developed on plains.
172. (3) India
173. (3) Israel
174. (5) None of these
175. (4) Pakistan – Iran
176. (1) South Africa
177. (5) All A, B and C
178. (1) Iran
179. (3) Football
180. (4) Delhi
181. (2) Kuldeep Nayyar
182. (2) Iran
183. (4) 29 May, 2009
184. (3) Golf
185. (3) Only C
186. (4) Development
187. (3) Singapore
188. (5) South Africa
189. (5) None of these
190. (1) Sayali Gokhale
191. (3) 6%
192. (1) Chess player