Reasoning Ability

1. In a certain code, GUEST is written as 53@$2 and MEAN is written as 6@4#. How is SAME written in that code ?
(1) 4$6@ (2) $46@
(3) $36@ (4) 5$6@
(5) None of these

2. How many such pairs of letters are there in the word CHRONICLE 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

3. If it is possible to make only one meaningful English word with the first, the fifth, the ninth and the tenth letters of the word SEQUENTIAL, which of the following will be the second letter of that word ? If no such word can be formed give 'X' as the answer and if more than one such words can be formed, give 'Y' as the answer.
(1) S (2) A
(3) E (4) X
(5) Y

4. In a certain code SHOULDER written as VPITQDCK. How is MORNINGS written in that code ?
(1) OSPNRFMH (2) NPSORFMH
(3) OSPNHMFR (4) OSPNSFEM
(5) None of these

5. If '÷' means '×' '+' means '÷'; '–' means '+' and '×' means '–' ; then 20 – 16 + 4 × 3 ÷ 2 = ?
(1) 16 (2) 30
(3) 18 (4) 24
(5) None of these

6. How many such pairs of digits are there in the number 254983 each of which has as many digits between them in the number as when the digits are rearranged in descending order within the number ?
(1) None (2) One
(3) Two (4) Three
(5) More than three

7. Sushil walked 15 meters towards South, took a left turn and walked 20 meters again he took a left turn and walked 15 meters. How far and in which direction is he from the starting point ?
(1) 20 m, West
(2) 20 m, East
(3) 50 m, West
(4) 50 m, East
(5) Data inadequate

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8. Pointing to a boy in a photograph Sudhir said, "He is the son of my maternal grandfather's only child". How is the boy related to Sudhir ?
(1) Self (2) Brother
(3) Cousin brother (4) Data inadequate
(5) None of these

9. In a certain code language, 'no more food' is written as 'ta ka da' and 'more than that' is written as 'sa pa ka'. How is 'that' written in that code language ?
(1) sa (2) ka
(3) sa or pa (4) Data inadequate
(5) None of these

10. D is brother of K, M is sister of K, R is father of D and S is mother of M. How is K related to R ?
(1) Son (2) Daughter
(3) Son or daughter (4) Data inadequate
(5) None of these

Directions (Q. 11–15) *In each of the questions below are given four statements followed by four conclusions numbered* I, II, III *and* IV. *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.*

11. **Statements** Some tools are radios. Some radios are ponds. Some ponds are mirrors. All mirrors are chalks.
Conclusions
I. Some mirrors are tools
II. Some chalks are ponds
III. Some ponds are tools
IV. Some chalks are radios.
(1) None follows (2) Only I follows
(3) Only II follows (4) Only III follows
(5) Only IV follows

12. **Statements** All houses are rooms. All rooms are baskets. All baskets are tyres. Some tyres are lanterns.
Conclusions
I. Some lanterns are rooms
II. Some tyres are houses
III. Some tyres are rooms
IV. All houses are baskets
(1) Only I, II and III follow
(2) Only II, III and IV follow
(3) Only I, III and IV follow
(4) All I, II, III and IV follow
(5) None of the above

13. **Statements** Some tractors are buses. All buses are trains. Some trains are boats. All boats are ships.
Conclusions
I. Some boats are buses
II. Some ships are buses
III. Some trains are tractors
IV. Some ships are trains
(1) Only I and II follow (2) Only I and III follow
(3) Only I and IV follow (4) Only II and IV follow
(5) None of these

14. **Statements** All chairs are sofas. All sofas are books. All books are nets. All nets are gardens.
Conclusions
I. Some nets are sofas
II. Some gardens are books
III. Some nets are chairs
IV. All books are gardens
(1) Only I, II and III follow
(2) Only I, III and IV follow
(3) Only II, III and IV follow
(4) All I, II III and IV follow
(5) None of the above

15. **Statements** All monkeys are parrots. No parrot is crow. Some crows are horses. All horses are tigers.
Conclusions
I. Some tigers are parrots
II. Some crows are monkeys
III. No tiger is parrot
IV. Some horses are parrots
(1) None follows
(2) Only II follows
(3) Only III follows
(4) Only I follows
(5) Only either I or III follows

Directions (Q.16–20) *Study the following arrangement carefully and answer the questions given below.*
Q R 4 $ 3 K H 1 M D 5 © N E J 8 I # T V U % W 6 δ B A 7 2 F P

16. How many such consonants are there in the above arrangement each of which is immediately preceded by a number and immediately followed by a symbol ?
(1) None (2) One
(3) Two (4) Three
(5) More than three

17. Which of the following is the sixth to the left of the fourteenth from the left end of the above arrangement ?
(1) V (2) 1
(3) 6 (4) ©
(5) None of these

18. How many such numbers are there in the above arrangement each of which is immediately followed by a letter but not immediately preceded by a letter ?
(1) None (2) One
(3) Two (4) Three
(5) More than three

19. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group ?
(1) HD3 (2) J©I
(3) VI% (4) N8D
(5) B26

20. What should come in place of the question mark (?) in the following series based on the above arrangement ?
43H D©E ITU ?
(1) 6A2 (2) 6B2
(3) WδA (4) Wδ7
(5) None of these

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Directions (Q. 21–25) *In each question below is given a group of digits/symbols followed by four combinations of letters numbered* (1), (2), (3) *and* (4). *You have to find out which of the combinations correctly represents the groups of digits/symbols based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If one of the combination correctly represents the group of digits/symbols mark* (5) *ie, 'None of these' as your answer.*

Digit / Symbol	9	@	2	4	$	3	7	%	δ	1	5	6	★	8	©
Letter code	R	W	F	P	A	H	B	M	E	J	Q	I	U	N	T

Conditions
(i) If the first unit is an even digit and the last unit is a symbol, both are to be coded as the code for the even digit.
(ii) If the first unit is a symbol and the last unit is an odd digit, their codes are to be interchanged.
(iii) If the first unit is an odd digit and the last unit is an even digit, both are to be coded as the code for the odd digit.

21. 4$%3★6
(1) PAMHUI (2) PAMHUP
(3) IAMHUP (4) IAMHUI
(5) None of these

22. ©7δ541
(1) TBEQPT (2) TBEQPJ
(3) JBEQPT (4) JBEQPJ
(5) None of these

23. 728%9$
(1) AFNMRB (2) BFNMRB
(3) AFNMRA (4) BFNMRA
(5) None of these

24. 9©$3%6
(1) IWAHMI (2) RWAHMI
(3) IWAHMR (4) RWHAMR
(5) None of these

25. 853©2δ
(1) NQHTEF (2) NQHTFN
(3) EQHTFN (4) EQHTFE
(5) None of these

Directions (Q. 26–30) *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 : nine poll 19 34 12 69 hour call
Step I call nine poll 19 34 12 69 hour
Step II call 12 nine poll 19 34 69 hour
Step III call 12 hour nine poll 19 34 69
Step IV call 12 hour 19 nine poll 34 69
Step V call 12 hour 19 nine 34 poll 69
and step V is the last step of the rearrangement of the above input. As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

26. Step II of an input is : bend 15 will care 46 53 29 then.
How many more steps will be required to complete the rearrangement ?
(1) Five (2) Three (3) Four
(4) Six (5) None of these

27. Step III of an input is : and 25 jungle 93 84 kite more 36
Which of the following is definitely the input ?
(1) 93 84 kite more and 36 35 jungle
(2) 93 84 and 25 kite jungle more 36
(3) jungle 93 and 84 25 kite more 36
(4) Cannot be determined
(5) None of the above

28. Input : land 62 clear over 41 37 again 56.
Which of the following steps will be the last but one ?
(1) VIII (2) IX
(3) VII (4) VI
(5) None of these

29. Step II of an input is : desk 12 year victory 86 71 store 65
Which of the following will be step VII ?
(1) desk 12 store 65 year 71 victory 86
(2) desk 12 store 65 71 year victory 86
(3) desk 12 store 65 year victory 86 71
(4) There will be no such step
(5) None of the above

30. Input : earn 39 23 48 station 19 begin day
How many steps will be required to complete the rearrangement ?
(1) Five (2) Seven
(3) Eight (4) Six
(5) None of these

Directions (Q. 31–35) *In the following questions, the symbols δ, ★, % # and @ are used with the following meaning as illustrated below.*
'P % Q' means ' P is neither greater than nor equal to Q'.
'P δ Q' means 'P is neither smaller than nor equal to Q'.
'P @ Q' means 'P is not greater than Q'.
'P ★ Q' means 'P is not smaller than Q'.
'P # Q' means 'P is neither greater than nor smaller than Q'.

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

31. **Statements** R ★ T, T δ M, M % K, K @ V
Conclusions I. V δ M
II. V δ T
III. M % R
IV. K δ R
(1) Only I and II are true
(2) Only I and III are true
(3) Only II and IV are true
(4) Only I, III and IV are true
(5) None of the above

32. **Statements** H δ J, J # N, N @ R, R δ W
Conclusions I. W % N
II. W % H
III. R # J
IV. R δ J
(1) Only I is true (2) Only II is true
(3) Only III is true (4) Only IV is true
(5) Only either III or IV is true

33. **Statements** B @ D, D δ F, F % M, M ★ N
Conclusions I. B % F
II. M δ D
III. N % F
IV. D δ N
(1) None is true (2) Only I is true
(3) Only II is true (4) Only III is true
(5) Only IV is true

34. **Statements** F # Z, Z @ H, H % N, N δ B
Conclusions I. F @ H
II. N % Z
III. B % H
IV. B % Z
(1) Only I and III are true (2) Only II, III and IV are true
(3) Only I and II are true (4) Only I, II and III are true
(5) None of these

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35. **Statements** M % K, K ★ W, W δ V, V @ N
Conclusions I. N ★ K
II. M % W
III. K δ V
IV. V % M
(1) None is true
(2) Only I is true
(3) Only II is true
(4) Only III is true
(5) Only IV is true

Directions (Q. 36–40) *Study the following information carefully and answer the questions given below.*

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. D is fourth to the right of H and second to the left of B. F is fourth to the right of B. C is fourth to the right of E who is not an immediate neighbour of B or D. A is not an immediate neighbour of D.

36. Who is to the immediate left of D ?
(1) G (2) C
(3) F (4) Data inadequate
(5) None of these

37. Who is third to the right of A ?
(1) H (2) E
(3) F (4) Data inadequate
(5) None of these

38. Who is fourth to the left of G ?
(1) E (2) F
(3) A (4) H
(5) Data inadequate

39. In which of the following combinations is the third person sitting in between the first and the second person ?
(1) ABC (2) GCD
(3) AHE (4) CBA
(5) EFG

40. What is B's position with respect to G ?
(1) Third to the right (2) Third to the left
(3) Fifth to the right (4) Fourth to the left
(5) Fourth to the right

Directions (Q. 41–45) *Study the following information carefully and answer the questions given below.*

Following are the conditions for selecting Manager-Marketing in an organization. The candidate must :
(i) be at least 25 years and not more than 30 years as on 01.05.2010
(ii) be a graduate in any discipline with at least 55 per cent marks
(iii) have completed post graduate degree/diploma in Marketing Management with at least 60 per cent marks
(iv) have post qualification work experience of at least three years in the marketing division in an organization
(v) have secured at least 45 per cent marks in the selection process

In the case of a candidate who satisfies all the conditions **EXCEPT**
(a) at (ii) above but has secured at least 65 per cent marks in post graduation degree/diploma in Marketing Management, the case is to be referred to GM-Marketing.
(b) at (iv) above but has post qualification work experience of at least one year as Deputy Marketing Manager in an organization, the case is to be referred to CGM-Marketing.

In each question below details of one candidate are given. 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 01.05.2010.
Mark answer (1) if the data provided are not adequate to take a decision
Mark answer (2) if the candidate is to be selected
Mark answer (3) if the candidate is not to be selected
Mark answer (4) if the case is to be referred to GM-Marketing
Mark answer (5) if the case is to be referred to CGM-Marketing

41. Shreyas Ingle was born on 12th July 1983. He has secured 57 per cent marks in B.Com. He has been working in the Marketing division of an organization for the past four years after completing his post graduate diploma in Marketing Management with 67 per cent marks. He has secured 48 per cent marks in the selection process.

42. Archit Pradhan has been working in the Marketing division of an organization for the past five years. He has secured 60 per cent marks in both B.Sc and post graduate degree in Marketing Management. He was born on 8th May 1984. He has secured 46 per cent marks in the selection process.

43. Nisha Awasthi was born on 29th April 1981. She has been working in the Marketing division of an organization for the past five years after completing her post graduate degree in Marketing Management with 67 per cent marks. She has secured 50 per cent marks in the selection process and 53 per cent marks in B.Com.

44. Ankita Bhave has been working in the Marketing division of an organization for the past four years after completing her post graduate diploma in Marketing Management with 62 per cent marks. She was born on 11th August 1982. She has secured 52 per cent marks in B.Sc. She has secured 48 per cent marks in the selection process.

45. Subodh Saxena was born on 15th November 1982. He has been working as Deputy Marketing Manager in an organization for the past two years after completing his post graduate degree in Marketing Management with 68 per cent marks. He has secured 56 per cent marks in B.Com and 50 per cent marks in the selection process.

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Directions (Q. 46–50) *Below is given a passage followed by several possible inferences 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.

Even as the economy is back on track and consumer confidence up, the number of credit cards in the system continues to dip. In the last one year, the total number of credit cards in use has dipped by almost 50 lakh. According to the latest data released, the number of credit cards dipped to about 2 crore as of end February 2010 from around 2.5 crore a year ago. The data also indicate that average monthly card spends both in terms of value as well as volume has still not touched the precrisis levels. Average monthly spend in F.Y' 10 has fallen to ₹ 5100 crore against ₹ 5400 crore in F.Y' 09, while average monthly volumes in the current years has been just 1.94 crore a month compared to 2.16 crore a month in F.Y' 09. Even peak festival spending through cards in the current fiscal is less than the previous year's levels.

46. Credit card usage in the current year has substantially decreasing from F.Y' 09

47. People are not using credit cards in the current year due to rampant credit card related fraud.

48. There has been a drop of about 40 per cent in use of credit card in the current year from the previous year.

49. There has been a drop of about 10 per cent in the number of credit card transactions in the current year from the previous year.

50. The drop in usage of credit cards in India is lesser than that in many other countries.

51. **Statement** Many students were caught while using unfair means during the final examinations by the special team of the university.
Which of the following can be a possible consequence of the facts stated in the above statement ?
(A) The teacher responsible for invigilation in all such examination halls in where the students were caught are to be suspended from their services
(B) All those students who were caught while using unfair means are to be debarred from appearing in these examinations for a year
(C) The college should be blacklisted by the university for holding final examinations at least for a year
(1) Only (A) (2) Only (B)
(3) Only (C) (4) Only (B) and (C)
(5) None of these

52. **Statement** Based on the findings of a recent study, it has been reported that regular consumption of ripe mango helps in controlling blood pressure as it increases the level of potassium in the blood stream.
Which of the following contradicts the findings reported in the above statement ?
(1) Increased level of potassium in blood stream enhances quality of health
(2) Many people who consume ripe mangoes regularly were found to be suffering from hypertension
(3) Consumption of ripe mango helps in storing anti-oxidant in the body
(4) Ripe mango is a good source of many vitamins
(5) None of the above

53. **Statement** Most part of the boundary walls of the local school collapsed completely last night.
Which of the following can be a possible consequence of the facts stated in the above statement ?
(A) The local school authority will close down the school till the boundary walls are erected
(B) The government will levy penalty to the school management for their negligence
(C) The management of the school will erect temporary fences till the boundary walls are erected
(1) Only (A) (2) Only (B)
(3) Only (C) (4) Only (A) and (C)
(5) None of these

54. **Statement** Many persons in the locality are diagnosed to be suffering from gastro-intestinal diseases after consuming poor quality drinking water supplied by the municipal authority.
Which of the following substantiates the facts stated in the above statement ?
(1) Gastro-intestinal diseases are not very severe in nature
(2) People suffering from gastro-intestinal diseases need not take medicines
(3) Many people suffer from gastro-intestinal diseases after consuming stale food
(4) Gastro-intestinal diseases are waterborne diseases
(5) None of the above

55. **Statement** The prices of foodgrains and other essential commodities have decreased for the second consecutive week.
Which of the following can be possible consequence of the facts stated in the above statement ?
(A) The consumer price index will come down considerably
(B) People will increases their purchase of quantity of essential commodities and foodgrains
(C) Govt. will increase its taxes on essential commodities and foodgrains
(1) Only (A) and (B)
(2) Only (B) and (C)
(3) Only (A) and (C)
(4) All (A), (B) and (C)
(5) None of the above

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Directions (Q. 56–60) *In each question below is given a statement followed by two assumptions numbered* I *and* II. *An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.*

Give answer (1) if only Assumption I is implicit
Give answer (2) if only Assumption II is implicit
Give answer (3) if either Assumption I or Assumption II is implicit
Give answer (4) if neither Assumption I nor Assumption II is implicit
Give answer (5) if both Assumptions I and II are implicit

56. Statement The Municipal Corporation has announced 50 per cent reduction in water supply till monsoon arrives in the city.

Assumptions

I. People may protest against the unilateral decision of the Municipal Corporation.

II. Municipal Corporation may reduce its taxes from the residents as it failed to provide adequate water.

57. Statement Many people were caught by the railway police while they were trying to cross the railway tracks and imposed heavy penalty before releasing them.

Assumptions

I. People may refrain from crossing railway tracks in future.

II. People may continue crossing railway tracks and pay hefty penalty.

58. Statement The govt. has recently announced additional food for work programmes for all the drought affected regions in the country.

Assumptions

I. The govt. has adequate funds to run these programmes.

II. Affected people may be able to get at least one meal a day due to these programmes.

59. Statement Most of the engineering colleges in the state applied to the regulatory body for sanctioning more number of seats for the next academic session.

Assumptions

I. The regulatory body may grant additional seats sought for by the engineering colleges of the state.

II. The engineering colleges of the state may get adequate number of applications to fill in the additional seats.

60. Statement In view of the severe heat wave passing through the state, the govt. has asked all the schools to remain closed for the next fortnight with immediate effect.

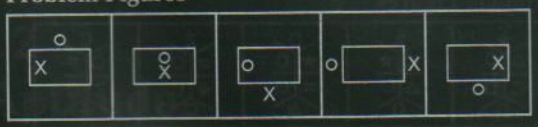
Assumptions

I. The heat wave may not continue beyond a fortnight

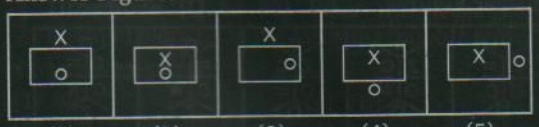
II. The parents of the students may not allow their wards to attend school even after a fortnight.

Directions (Q. 61–75) *In each of the questions given below which one of the following five answer figures on the right should come after the problem figures on the left. If the sequence were continued ?*

61. Problem Figures

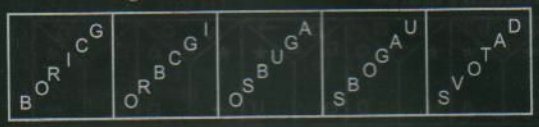


Answer Figures

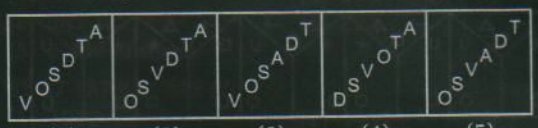


(1) (2) (3) (4) (5)

62. Problem Figures



Answer Figures



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

63. Problem Figures

Answer Figures

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

64. Problem Figures

Answer Figures

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

65. Problem Figures

Answer Figures

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

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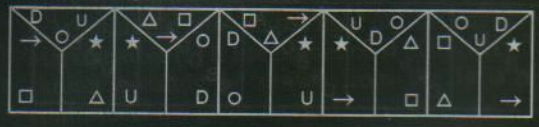
66. Problem Figures

Answer Figures

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

67. Problem Figures

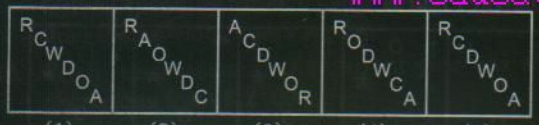


Answer Figures

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

68. Problem Figures

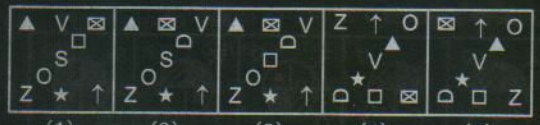
Answer Figures



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

69. Problem Figures

Answer Figures



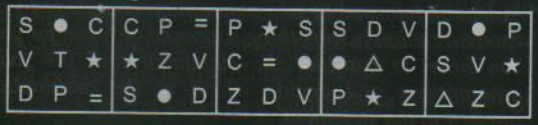
(1) (2) (3) (4) (5)

70. Problem Figures

Answer Figures

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

71. Problem Figures



Answer Figures

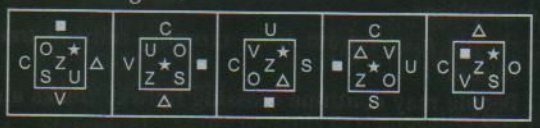
(1) (2) (3) (4) (5)

72. Problem Figures

Answer Figures

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

73. Problem Figures



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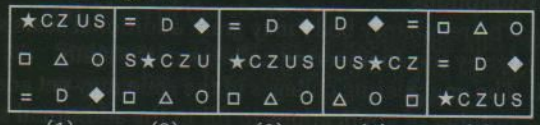
Answer Figures

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

74. Problem Figures

Answer Figures



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

75. Problem Figures

Answer Figures

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