Section 1
Reasoning Ability

1. In a certain code language 'they have come back' is written as na ja sa da and 'they have gone there' is written as 'da ka pa na'. How is 'come' written in that code language ?
   (1) sa (2) na
   (3) ja (4) sa or ja
   (5) Data inadequate

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

3. Each consonant in the word TIRADES is replaced by the previous letter in the English alphabet and each vowel is replaced by the next letter in the English alphabet and the new letters are rearranged alphabetically. Which of the following will be the fourth from the right end ?
   (1) F (2) J
   (3) Q (4) C
   (5) None of these

4. Pointing to a girl, Mihir said "She is the only daughter of my grandfather's only child". How is the girl related to Mihir ?
   (1) Daughter (2) Niece
   (3) Sister (4) Data inadequate
   (5) None of these

5. In a row of twenty-five children facing South R is 16th from the right end and B is 18th from the left end. How many children are there between R and B ?
   (1) 2 (2) 3
   (3) 4 (4) Data inadequate
   (5) None of these

6. W walked 40 m towards West, took a left turn and walked 30 m. He then took a right turn and walked 20 m. He again took a right turn and walked 30 m. How far was he from the starting point ?
   (1) 70 m (2) 60 m
   (3) 90 m (4) Cannot be determined
   (5) None of these

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7. How many such pairs of letters are there in the word POSITIVE 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

8. In a certain code, GATE is written as 5★3$ and TOUR is written as 32δ%. How is URGE written in that code ?
   (1) 3%5$ (2) $%δ5
   (3) δ%3$ (4) δ%5$
   (5) None of these

9. If it is possible to form only one such number with the 3rd, the 6th and the 7th digits of the number 7394261 which is the perfect square of a two digit odd number, which of the following will be the first digit of that two-digit odd number ?
   (1) 9
   (2) 3
   (3) 5
   (4) No such number can be formed
   (5) More than one such number can be formed

10. How many such pairs of digits are there in the number 539816 each of which has as many digits between them in the number as when the digits are arranged in descending order within the number ?
    (1) None (2) One
    (3) Two (4) Three
    (5) More than three

Directions (Q. 11–15) *Following questions are based on the five three-digit numbers given below.*

519 328 746 495 837

11. If half of the second highest number is subtracted from the third highest number, what will be the value ?
(1) 156 (2) 146
(3) 213 (4) 314
(5) None of these

12. If the positions of the first and the third digits in each of the numbers are interchanged, which of the following will be the second digit of the lowest number ?
(1) 1 (2) 2
(3) 4 (4) 9
(5) 3

13. If in each number the third digit becomes the first digit, the first digit becomes the second digit and the second digit becomes the third digit, which of the following will be the first digit of the second highest number ?
(1) 9 (2) 6
(3) 5 (4) 7
(5) 8

14. Which of the following represents the difference between the first and the second digits of the second highest number ?
(1) 4 (2) 1
(3) 3 (4) 5
(5) None of these

15. If '1' is subtracted from the third digit of each number and '1' is added to the first digit of each number, which of the following will be the sum of the second and third digits of the second lowest number ?
(1) 13 (2) 9 (3) 8
(4) 6 (5) None of these

Directions (Q. 16–20) *Study the following arrangement carefully and answer the questions given below.*

H 9 3 P $ K E % 4 F R 1 U @ W G 2 M I 5 B Q Z 6 © ★ N δ 8 V J

16. If all the symbols and numbers are dropped from the above arrangement, which of the following will be the 14th from the right end ?
(1) M (2) K
(3) W (4) E
(5) None of these

17. What should come in place of the question mark (?) in the following series based on the above arrangement ?
PK% RUW M5Q ?
(1) ©N8 (2) ©Nδ
(3) 6★δ (4) 6★8
(5) None of these

18. 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

19. Which of the following is the 7th to the left of the 20th from the left end of the above arrangement ?
(1) U (2) $
(3) I (4) N
(5) None of these

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

Directions (Q. 21–25) *In each of the questions below are given three 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** Some carrots are brinjals. Some brinjals are apples. All apples are bananas.
Conclusions
I. Some apples are carrots.
II. Some bananas are brinjals.
III. Some bananas are carrots.
(1) Only I follows
(2) Only II follows
(3) Only III follows
(4) Only either II or III follow
(5) None of the above

22. **Statements** All keys are locks. All locks are bangles. All bangles are cars.
Conclusions
I. Some cars are locks.
II. Some bangles are keys.
III. Some cars are keys.
(1) Only I follows
(2) Only I and II follow
(3) Only I and III follow
(4) Only II and III follow
(5) All I, II and III follow

23. **Statements** All fruits are leaves. Some leaves are trees. No tree is house.
Conclusions
I. Some houses are fruits.
II. Some trees are fruits.
III. No house is fruit.
(1) Only I follows
(2) Only II follows
(3) Only III follows
(4) Only either I or III follows
(5) None follows

24. **Statements** All tables are mirrors. Some mirrors are chairs. All chairs are glasses.
Conclusions
I. Some glasses are mirrors.
II. Some chairs are tables.
III. Some mirrors are tables.
(1) Only I and II follow
(2) Only II and III follow
(3) Only I and III follow
(4) All I, II and III follow
(5) None of the above

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25. **Statements** All calculators are boxes. All boxes are taps. Some taps are machines.
Conclusions
I. Some machines are boxes.
II. Some taps are calculators.
III. Some boxes are calculators.
(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

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 an illustration of input and rearrangement.
Input : 96 gain 63 forest 38 78 deep house
Step I : deep 96 gain 63 forest 38 78 house
Step II : deep 38 96 gain 63 forest 78 house
Step III : deep 38 forest gain 96 63 78 house
Step IV : deep 38 forest 63 gain 96 78 house
Step V : deep 38 forest 63 gain 78 96 house
Step VI : deep 38 forest 63 gain 78 house 96
and Step VI 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.

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26. **Input** : train 59 47 25 over burden 63 sky
Which of the following steps will be the last but one ?
(1) VI (2) V
(3) IV (4) VII
(5) None of these

27. **Input :** service 46 58 96 over there desk 15
Which of the following will be step VI ?
(1) desk 15 over service 46 58 96 there
(2) desk 15 over 46 service there 58 96
(3) desk 15 over 46 service 58 there 96
(4) desk 15 over 46 service 58 96 there
(5) There will be no such step

28. **Step II of an input is :** below 12 93 house floor 69 57 task
Which of the following will definitely be the input ?
(1) 93 house 69 57 below task floor 12
(2) 93 house below 69 57 task floor 12
(3) 93 house floor 69 57 task below 12
(4) Cannot be determined
(5) None of the above

29. **Step III of an input is :** art 24 day 83 71 54 star power
Which of the following steps will be the last ?
(1) V (2) VIII
(3) IX (4) VII
(5) None of these

30. **Step II of an input is :** cold 17 wave 69 never desk 52 43
How many more steps will be required to complete the rearrangement ?
(1) Six (2) Five
(3) Four (4) Three
(5) None of these

Directions (Q. 31–35) *Study the following information carefully and answer the questions given below.*

P, Q, R, S, T, U, V and W are sitting around a circle facing at the centre. T is second to the left of P and third to the right of V. S is second to the right of W who is to the immediate right of T. Q is third of the right of U.

31. In which of the following pairs is the third person sitting in between the first and the second persons ?
(1) USP (2) VRU
(3) TQW (4) WPS
(5) None of these

32. Who is to the immediate left of T ?
(1) Q (2) W
(3) R (4) Data inadequate
(5) None of these

33. Who is second to the right of P ?
(1) S (2) V
(3) U (4) Q
(5) Data inadequate

34. What is R's position with respect to W ?
(1) Third to the left (2) Fourth to the left
(3) Sixth to the right (4) Fifth to the left
(5) None of these

35. Who is fourth to the left of R ?
(1) U (2) P
(3) S (4) W
(5) None of these

Directions (Q. 36–40) *In the following questions, the symbols ★, δ, %, @ and © are used with the following meaning as illustrated below.*
'P % Q' means 'P is not 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 δ Q' means 'P is not greater 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 three conclusions I, II and III given below them is/are **definitely true** and give your answer accordingly.

36. **Statements** R δ K, K ★ M, M @ J
Conclusions I. J © K
II. M © R
III. R ★ J
(1) Only I and II are true
(2) Only II and III are true
(3) Only I and III are true
(4) All I, II and III are true
(5) None of the above

37. **Statements** Z @ M, M © K, K ★ F
Conclusions I. F © Z
II. K ★ Z
III. F © M
(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

38. **Statements** B ★ J, J % W, W © M
Conclusions I. M ★ J
II. W ★ B
III. B © M
(1) None is true (2) Only I is true
(3) Only II is true (4) Only III is true
(5) Only I and III are true

39. **Statements** V % H, H @ F, F δ E
Conclusions I. F @ V
II. F ★ V
III. E % H
(1) Only either I or II is true
(2) Only III is true
(3) Only I and II are true
(4) All I, II and III are true
(5) Only either I or II and III are true

40. **Statements** W © T, T δ N, N % D
Conclusions I. D ★ T
II. W © N
III. D @ T
(1) None is true (2) Only I is true
(3) Only II is true (4) Only III is true
(5) Only I and II are true

Directions (Q. 41–45) *In each question below is given a group of letters 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) *ie, 'None of these' as your answer.*

Letter : P M K E A I Z T R U B F N V D
Digit/ Symbol Code : $ 3 1 4 @ 2 5 © 8 7 δ 6 % # 9

Conditions
(i) If the first letter is a vowel and the last letter is a consonant both are to be coded as ★.
(ii) If the first letter is a consonant and the last letter is a vowel their codes are to be interchanged.
(iii) If both the first and the last letters are vowels both are to be coded as the first letter.

41. **IFNVDE**
(1) 26%#92 (2) 46%#92
(3) 46%#94 (4) ★%#9★
(5) None of these

42. **KEIMPD**
(1) 9423$1 (2) 1423$9
(3) 9423$9 (4) 1423$1
(5) None of these

43. **UBTIZN**
(1) 7δ©25% (2) %δ©257
(3) ★δ©25★ (4) 7δ©257
(5) None of these

44. **BAEFNP**
(1) δ@46%δ (2) $≡46%δ
(3) ★@46%★ (4) $@46%$
(5) None of these

45. **RKPZFI**
(1) 81$562 (2) 81$568
(3) 21$562 (4) 21$568
(5) None of these

Directions (Q. 46–50) *Below in each question are given two statements* (A) *and* (B). *These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the fcllowing answer choice correctly depicts the relationship between these two statements.*

Mark answer (1) if statement (A) is the cause and statement (B) is its effect.
Mark answer (2) if statement (B) is the cause and statement (A) is its effect.
Mark answer (3) if both the statements (A) and (B) are independent causes.
Mark answer (4) if both the statements (A) and (B) are effects of independent causes.
Mark answer (5) if both the statements (A) and (B) are effects of some common cause.

46. A. The average day temperature of the city has increased by about 2 degrees in the current year over the average of past ten years.
B. More people living in rural areas of the state have started migrating to the urban areas in comparison with the earlier year.

47. A. Most of the shopkeepers in the locality closed their shops for the second continuous day.
B. Two groups of people living in the locality have been fighting with each other with bricks and stones forcing people to stay indoors.

48. A. The Govt. has decided to increase the prices of LPG gas cylinders with immediate effect.
B. The Govt. has decided to increase the prices of Kerosene with immediate effect.

49. A. A cyclonic storm is expected to hit the coastline in the state during the next 48 hours.
B. Warning has been issued that heavy rains are expected in the coastal region in the state during the next 48 hours.

50. A. Majority of the first year students of the engineering college failed in Mathematics in the semester examination.
B. The college authority terminated the contract of the Professor who taught Mathematics to the first year students.

Directions (Q. 51–55) *In each question below is given a statement followed by two assumption numbered* I *and* II. *An assumption is something supposed or taken for granted. You have to consider the statement and the following assumtions 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.

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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.

51. **Statement** A very large number of people stood in the queue for buying tickets for the one-day international cricket match scheduled to be played in the city on the next day.
Assumptions
I. No other one-day international cricket match may be played in the city for the next six months.
II. Majority of those who stood in the queue may be able to get ticket for the one-day international cricket match.

52. **Statement** The highway police authority put up large boards at regular intervals indicating the speed limit and dangers of over-speeding on the highways.
Assumptions
I. Most of the motorists may drive their vehicles within the speed limit on the highways.
II. Motorists generally ignore such cautions and over-speed on the highways.

53. **Statement** The employees' association urged its members to stay away from the annual function as many of their demands were not met by the management.
Assumptions
I. Majority of the members of the association may not attend the function.
II. The management may cancel the annual function.

54. **Statement** The sarpanch of the village called a meeting of all the heads of the families to discuss the problem of acute shortage of drinking water in the village.
Assumptions
I. The sarpanch had earlier called such meetings to discuss about various problems.
II. Most of the heads of families may attend the meeting called by the sarpanch.

55. **Statement** The municipal corporation advised all the people living in the shanties along the beaches to move to higher places during monsoon.
Assumptions
I. Many people living in the shanties may leave the city and relocate themselves elsewhere in the state.
II. Majority of the people living in the shanties along the beach may try to relocate to higher places during monsoon.

Directions (Q. 56–60) *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', *ie*. 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', *ie*. 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', *ie*, it cannot possibly be drawn from the facts given or it contradicts the given facts.
Investors today have more investment options than were available just a few years ago. Choice in any decision making is good in so far it provides variety, differentiation and benchmarking. It could also, however, at times lead to clutter and "noise" if the options are mostly similar and undifferentiated. To make sense of this choice conundrum, "it is imperative for an investor to define objective-both returns and digestible risk and then identify the possible options. The investor also needs to select the mix and regularly monitor that objectives and investment outcomes remain aligned. Sounds simple, but can present the most confounding situations which multiplies with the quantum of wealth.

56. Investment of higher amount is relatively simpler than smaller amounts.

57. Investors need to critically evaluate the risk of each investment option.

58. Present day investors need to use their judgement more critically before investing.

59. Multiple investment options of similar type helps in making better investment decisions.

60. In the past, investors were generally guided by the fund managers.

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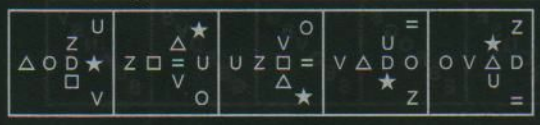
Directions (Q. 61–75) *In each of the questions given below which one of the five answer figures should come after the problem figures, if the sequence were continued ?*

61. **Problem Figures**

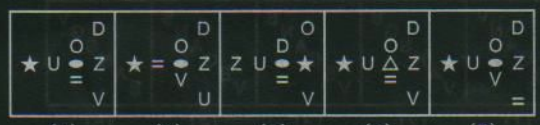
Answer Figures

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

62. **Problem Figures**



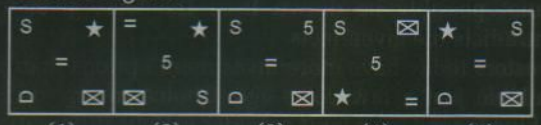
Answer Figures



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

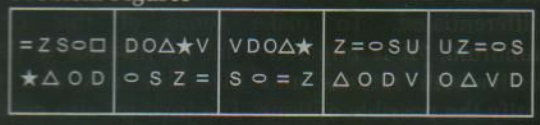
63. Problem Figures

Answer Figures

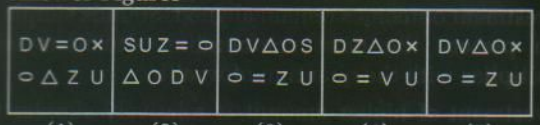


(1) (2) (3) (4) (5)

64. Problem Figures



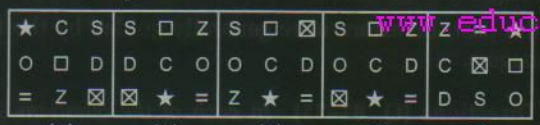
Answer Figures



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

65. Problem Figures

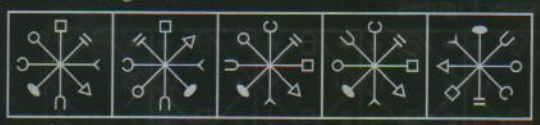
Answer Figures



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

66. Problem Figures

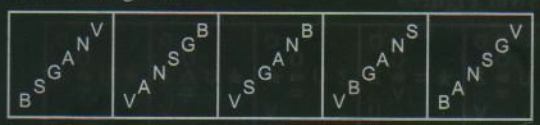
Answer Figures



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

67. Problem Figures

Answer Figures



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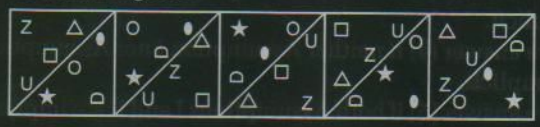
68. Problem Figures



Answer Figures

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

69. Problem Figures

Answer Figures

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

70. Problem Figures

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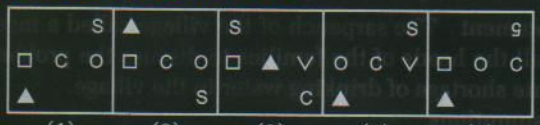
Answer Figures



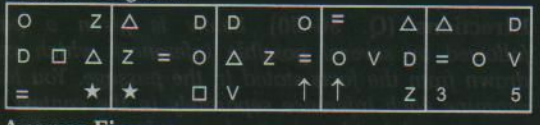
(1) (2) (3) (4) (5)

71. Problem Figures

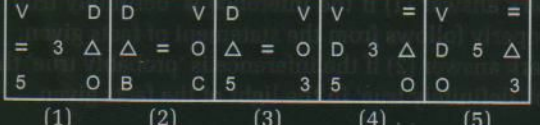
Answer Figures

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

72. Problem Figures



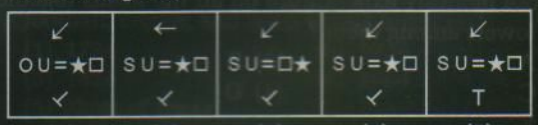
Answer Figures



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

73. **Problem Figures**

Answer Figures



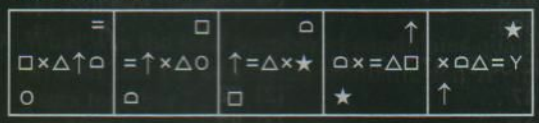
(1) (2) (3) (4) (5)

74. **Problem Figures**

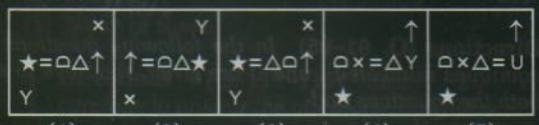
Answer Figures

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

75. **Problem Figures**



Answer Figures



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