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Section 1
Reasoning Ability

Directions (Q. 1–5) *These questions are based on the position of English alphabets.*

1. If CGKQW is one sequence following a logic and another five letter sequence following similar type of logic is BFJPV, then one more variation of this type can be
   (1) CFKNT (2) DHLRX
   (3) VPJFB (4) Cannot be determined
   (5) None of these

2. If LMN is to ZYX and EFG is to DCB, then RST is to
   (1) WVU (2) QRO
   (3) KJI (4) Cannot be determined
   (5) None of these

3. Which of the following has the same relationship as that of JL : KM ?
   (1) RT : UV (2) EF : GH
   (3) CE : DB (4) Cannot be determined
   (5) None of these

4. 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 the group ?
   (1) LOJ (2) FID
   (3) RUP (4) ILN
   (5) CFA

5. Which of the following will be the next letter in the following letter series ?
   B C E H L ?
   (1) Q (2) P
   (3) O (4) Cannot be determined
   (5) None of these

Directions (Q. 6–15) *In each question below are* ***either two*** *or* ***three*** *statements followed by two conclusions* I *and* II. *You have to take the two or three given statements to be true and then decide which of the given conclusions logically follows from the two/three given statements, disregarding the commonly known facts.*

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

6. **Statements** No table is wood. Some woods are chairs. All chairs are stones.
   Conclusions I. No stone is table.
   II. Some stones are woods.

7. **Statements** All letters are black. All black are blue. No blue is green.
   Conclusions I. No letter is green.
   II. Most blue are black.

8. **Statements** Some fruits are mangoes. Some mangoes are red. All red are vegetables.
   Conclusions I. No fruit is red.
   II. Some fruits are red.

9. **Statements** Some eyes are ears. Some ears are hands.
   Conclusions I. No hand is an eye.
   II. Some eyes are hands.

10. **Statements** Some books are pens. Some pens are pencils. Some pencils are buttons.
    Conclusions I. Some buttons are pens.
    II. Some pencils are books.

11. **Statements** Some caps are shirts. All shirts are papers.
    Conclusions I. All shirts which are caps are papers.
    II. Some shirts are caps.

12. **Statements** 10% shoes are chappals. 5% chappals are papers. 99% papers are pens.
    Conclusions I. Some shoes are papers.
    II. Some shoes are pens.

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13. **Statements** All A are Z. All Z are X. All Y are A.
Conclusions I. All A are Y.
II. All Y are X.

14. **Statements** Some water is cold. No cold is milk. Some milk is water.
Conclusions I. Some water that is cold is milk.
II. Some milk that is water is cold.

15. **Statements** Some waste is white. Some white is water. Some water is waste.
Conclusions I. Some waste which is white is water.
II. Some water is neither waste nor white.

16. 'Nail' is related to 'Nail-cutter' in the same way as 'Hair' is related to .....
(1) oil (2) comb
(3) scissors (4) hair-cut
(5) colour

17. Madhu said, "My Mother's only son Ashok has no son". Which of the following can be concluded ?
(1) Ashok has only daughters
(2) Ashok is not married
(3) Ashok does not have a father
(4) Ashok has only one sister
(5) None of the above

18. Which of the following must be there to call something a "Song" ?
(1) Musical Instruments (2) Classical Singer
(3) Words (4) Film
(5) Drama

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19. 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) Brother (2) Grandfather
(3) Mother (4) Grandmother
(5) Father

20. Four of the following five pairs are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
(1) RICE : ECIR (2) WINGS : SGNIW
(3) SMART : RTSMA (4) COUSIN : SINCOU
(5) BRAKE : AKRFB

Directions (Q. 21–25) *Study the following information to answer the given questions.*

(a) Six plays are to be organized from Monday to Sunday–One play each day with one day when there is no play. 'No play' day is not Monday or Sunday.
(b) The plays are held in sets of 3 plays each in such a way that 3 plays are held without any break *ie*, 3 plays are held in such a way, that there is no 'No play' day between them but immediately before this set or immediately after this set it is 'No play' day.
(c) Play Z is held on 26th and play X was held on 31st of the same month.
(d) Play B was not held immediately after play A (but was held after A, not necessarily immediately) and play M was held immediately before Q'.
(e) All the six plays were held in the same month.

21. Which play was organized on Monday ?
(1) Z (2) M
(3) Q (4) Cannot be determined
(5) None of these

22. Which day was play Z organized ?
(1) Tuesday (2) Monday
(3) Wednesday (4) Cannot be determined
(5) None of these

23. Which date was a 'No play' day ?
(1) 26th (2) 28th
(3) 29th (4) Cannot be determined
(5) None of these

24. Which of the following is true ?
(1) Play B is held immediately before play M
(2) Play Z is held after play B
(3) There was a gap after 2 plays and then 4 plays were organized
(4) First play was organized on the 25th
(5) Play B was held on Friday

25. Which day was play Q organized ?
(1) Friday (2) Wednesday
(3) Saturday (4) Cannot be determined
(5) None of these

Directions (Q. 26–30) *Study the following information to answer the given questions.*

(i) In a family of 6 persons, there are two couples.
(ii) The Lawyer is the head of the family and has only two sons–Mukesh and Rakesh–both Teachers.
(iii) Mrs. Reena and her mother-in-law both are Lawyers.
(iv) Mukesh's wife is a Doctor and they have a son, Ajay.

26. Which of the following is definitely a couple ?
(1) Lawyer-Teacher
(2) Doctor-Lawyer
(3) Teacher-Teacher
(4) Cannnot be determined
(5) None of the above

27. What is the profession of Rakesh's wife ?
(1) Teacher (2) Doctor
(3) Lawyer (4) Cannot be determined
(5) None of these

28. How many male members are there in the family ?
(1) Two
(2) Three
(3) Four
(4) Cannot be determined
(5) None of the above

29. What is/was Ajay's Grandfather's occupation ?
(1) Teacher (2) Lawyer
(3) Doctor (4) Cannot be determined
(5) None of these

30. What is the profession of Ajay ?
(1) Teacher (2) Lawyer
(3) Doctor (4) Cannot be determined
(5) None of these

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Directions (Q. 31–35) *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 II is implicit.

Give answer (4) if neither assumption I nor II is implicit.

Give answer (5) if both assumptions I and II are implicit.

31. **Statement** Please send an official letter rather than semi-official on this subject this time.
Assumptions
I. The format and emphasis of different types of letters is different.
II. We can sent different types of letters on the same subject.

32. **Statement** Please check the availability of 2 tickets from Delhi to Lucknow.
Assumptions
I. Person checking knows the desired mode of travel.
II. Person checking knows the details of the person travelling.

33. **Statement** If you want to increase your writing speed, use 0.7 pen.
Assumptions
I. There are different types of pens available.
II. The person being told understands what is 0.7 pen.

34. **Statement** In order to build more space, extra FSI needs to be bought.
Assumptions
I. The person being told does not know the meaning of FSI.
II. More space will reduce the construction cost.

35. **Statement** Let there be a sign-board also indicating the directions and instructions.
Assumptions
I. Sign-board can be prepared without using any language.
II. Sign-board is the only effective tool to indicate directions.

Directions (Q. 36–40) *Each of the questions below consists of a question and two statements numbered* I *and* II *given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and*

Give answer (1) if the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

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

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

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

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

36. On which day was Yasir born ? (His date of birth is February 29)
I. He was born between year 2005 and 2011.
II. He will complete 4 years on February 29, 2012.

37. Out of 64 students, 38 play both chess and cricket. How many students play only chess ?
I. Out of 64 students, 22 students don't play any game. 4 students play only cricket.
II. Out of 64 students, 20 are girls and 10 of them don't play any game.

38. What is the total number of students in the school ?
I. The respective ratio of girls and boys is 2 : 3.
II. The number of students has grown by 5% this year as compared to 4% last year from the number 2000 which it was year before last.

39. Who among the six of them is the tallest if Geetha is taller than Shilpa and Deepa is taller than Meeta ? (Sunita and Sadhana are the other two).
I. Sadhana is taller than Sunita.
II. Sadhana is taller than Shilpa and Meeta as well as Deepa.

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40. On which date is Amit's birthday in September 2010 ?
I. Last year his birthday was on the last Thursday of the month in September 2009.
II. This year his birthday will be on the last Friday of the month in September 2010.

Directions (Q. 41–45) *Study the following information to answer the given questions.*
(i) There are 8 friends A, B, C, D, E, F, G H seated in a circle facing the centre.
(ii) AC, DG, HE and FB are seated adjacent to each other. A is also seated adjacent to H.
(iii) B is 2nd to the right of H.
(iv) E is 3rd to the right of C.

41. Who is 2nd to the left of A ?
(1) D (2) G
(3) F (4) Cannot be determined
(5) None of these

42. Who is 3rd to the left of C ?
(1) G (2) D
(3) B (4) Cannot be determined
(5) None of these

43. What is C's position with reference to E ?
(1) 5th to the right (2) 4th to the left
(3) 4th to the right (4) 3rd to the right
(5) Cannot be determined

44. Who is 2nd to the right of A ?
(1) B (2) E
(3) F (4) Cannot be determined
(5) None of these

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45. Who among the following pairs may **not** be seated adjacent to each other ?

(1) AH (2) DC
(3) EB (4) Cannot be determined
(5) None of these

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**" *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.

(**Note** : Each of the five questions has only one distinct answer *ie*, no two questions can have the same answer. If you get same answer for more than one question, consider both again and decide which one of the two would more definitely be that answer and mark your answer accordingly.)

The first time I saw *The Wizard of Oz*, the story bewitched me. The second time I saw *The Wizard of Oz*, the special effects amazed me. The third time I saw *The Wizard of Oz*, the photography dazzled me. Have you ever seen a movie twice, three times ? You notice subtleties and hear sounds you completely missed the first time around.

It's the same on the phone. Because your business conversations are more consequential than movies, you should listen to them two, may be three times. Often we have no clear idea of what really happened in our phone conversation until we hear it again. You"ll find shadings more significant than the colour of Toto's collar – and more scarecrows than you imagined who 'heaven't got a brain!'

How do you listen to your important business conversations again ? Simply legally and ethically tape record them. I call the technique of recording and analyzing your business conversations for subtleties Instant Replay.

46. The movie '*The Wizard of Oz*' will help improve business conversation.

47. For most, if they watch a movie more than once, different aspects in different order, like special effects, photography, story, music etc. would impress in a better way.

48. The tips are given for understanding business conversation.

49. The advice is being given to the sales team.

50. The author watches most movies more than twice.

Directions (Q. 51–55) *In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.*

Mark answer if
(1) Only conclusion I follows.
(2) Only conclusion II follows.
(3) Either conclusion I or II follows.
(4) Neither, conclusion I nor II follows.
(5) Both conclusions I and II follow.

51. **Statements** $N = P, P \leq F, F \geq L, L = K$
Conclusions I. $F = K$
II. $F > K$

52. **Statements** $Z > T, T < M, M < J$
Conclusions I. $T < J$
II. $J < Z$

53. **Statements** $Q = Z, C \geq G, G \geq Q, Q \geq R, J \geq C$
Conclusions I. $G \geq Z$
II. $C \geq R$

54. **Statements** $A > B > C, D > E > F, D > C$
Conclusions I. $E > C$
II. $F > B$

55. **Statements** $K < L, K > M, M \geq N, N > O$
Conclusions I. $O < M$
II. $O < K$

Directions (Q. 56–60) *Study the following information carefully to 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. The following is an illustration of input and rearrangement, steps ....

Input : why is 25 bigger than 14 but smaller than 32
Step I : than 14 why is 25 bigger but smaller than 32
Step II : than 14 is 25 why bigger but smaller than 32
Step III : than 14 is 25 than 32 why bigger but smaller
Step IV : than 14 is 25 than 32 why smaller bigger but
Step V : than 14 is 25 than 32 why smaller but bigger

and Step V is the last step of the rearrangement of the above input as the intended rearrangement is obtained.

As per the rules followed in the above steps, indicate the answer in each of the following questions with respect to the appropriate step for the given input.

Input for the questions

any number less than 30 and more than 20 does not equal 40

56. Which step number would be the following output ?

than 20 any number less than 30 and more does not equal 40

(1) III (2) IV
(3) V (4) VI
(5) None of these

57. How many steps would be needed to complete the arrangement ?

(1) X (2) VIII
(3) IX (4) VII
(5) None of these

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58. Which of the following would be Step IV ?
(1) than 20 than 30 equal 40 any number less and more does not
(2) than 20 any number less than 30 and more does not equal 40
(3) 20 30 40 than than equal number any less and more does not
(4) 20 than 30 than 40 equal number any less and more does not
(5) None of the above

59. Which of the following would be the Step II ?
(1) 20 than 30 than any number less and more does not equal 40
(2) than 20 than 30 equal 40 any number less and more does not
(3) than 20 than 30 any number less and more does not equal 40
(4) than 20 than 30 any number less and more does not 40 equal
(5) None of the above

60. Which word/number would be on 8th position from left side in Step V ?
(1) any (2) not (3) 40
(4) number (5) None of these

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 ?*

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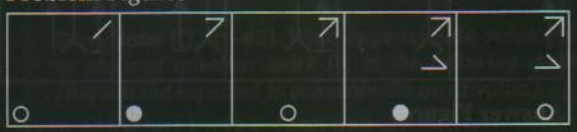
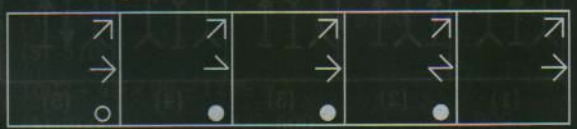
61. **Problem Figures**

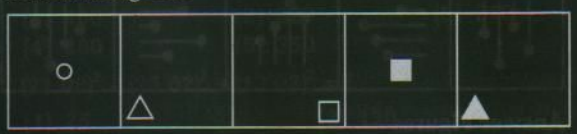


Answer Figures



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

62. **Problem Figures**

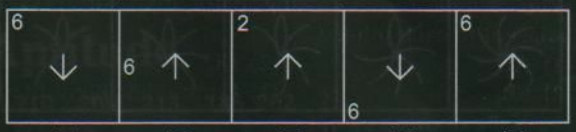


Answer Figures

(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

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

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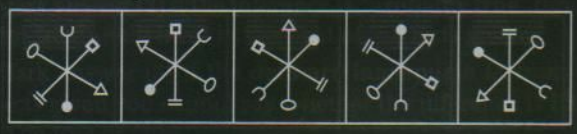
68. Problem Figures

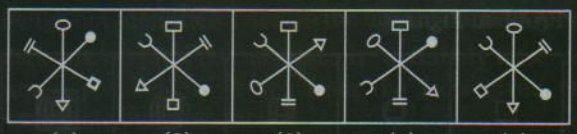
Answer Figures

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

69. Problem Figures



Answer Figures



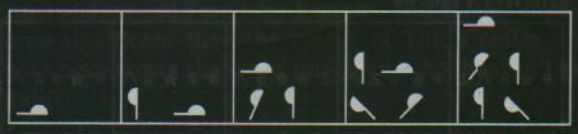
(1) (2) (3) (4) (5)

70. Problem Figures

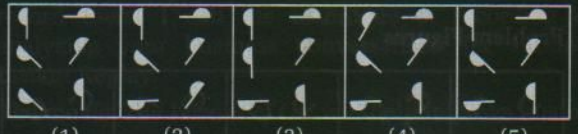
Answer Figures

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

71. Problem Figures



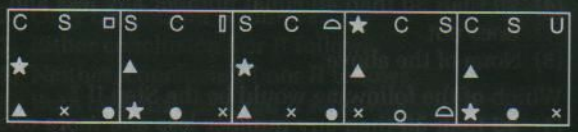
Answer Figures



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

72. Problem Figures

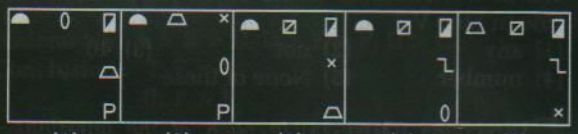
Answer Figures



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

73. Problem Figures

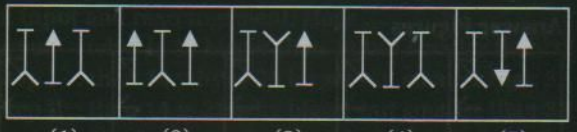
Answer Figures



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

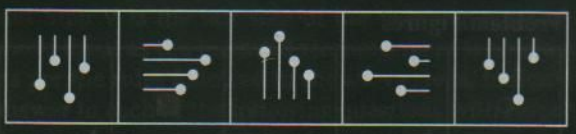
74. Problem Figures

Answer Figures

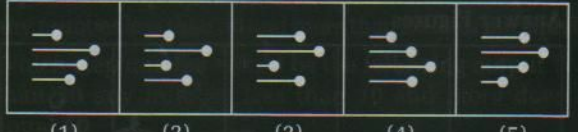


(1) (2) (3) (4) (5)

75. Problem Figures



Answer Figures



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

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