

## Reasoning Ability

1. In a row of forty children, R is eleventh from the right end and there are fifteen children between R and M. What is M's position from the left end of the row ?  
 (1) Fourteenth  
 (2) Fifteenth  
 (3) Thirteenth  
 (4) Cannot be determined  
 (5) None of the above
2. In a certain code language 'how many are there' is written as 'ka na ta da' and 'many are welcome here' is written as 'na pi ni ka'. How is 'how' written in that code language ?  
 (1) ta  
 (2) da  
 (3) ta or da  
 (4) Data inadequate  
 (5) None of these
3. If the positions of the first and the fifth digits of the number 83591427 are interchanged, similarly the positions of the second and the sixth digits are interchanged and so on then which of the following will be the second digit from the right end after the rearrangement ?  
 (1) 5  
 (2) 3  
 (3) 9  
 (4) 2  
 (5) None of these
4. How many such pairs of letters are there in the words ADJUSTING 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
5. How many meaningful English words can be formed with the letters LBAE using each letter only once in each word ?  
 (1) None  
 (2) One  
 (3) Two  
 (4) Three  
 (5) More than three
6. In a certain code BUILDER is written as JVCKSFE. How is SEALING written in that code ?  
 (1) BTFKHOJ  
 (2) JOHKBFT  
 (3) TFBKHOJ  
 (4) BFTKJOH  
 (5) None of these
7. If 'R' denotes '+', 'T' denotes '-', 'M' denotes '×' and 'W' denotes '÷', then  
 $27 T 15 R 3 W 4 M 6 = ?$   
 (1) 7  
 (2) 13  
 (3) -23  
 (4) 1  
 (5) None of these
8. In a certain code WAVE is written as '5%3 ★' and WINS is written as '59@©'. How is SANE written in that code ?  
 (1) ©9@★  
 (2) ★%©@  
 (3) ©@%★  
 (4) ©%@★  
 (5) None of these
9. Which of the following is the middle digit of the third highest among the five three-digit numbers given below ?  
 368 931 472 715 647  
 (1) 6  
 (2) 3  
 (3) 7  
 (4) 1  
 (5) 4
10. Among P, Q, R, S and T each having a different height, Q is shorter than only T and S is shorter than P and Q. Who among them is the shortest ?  
 (1) R  
 (2) S  
 (3) P  
 (4) Data inadequate  
 (5) None of these

**Directions (Q. 11–15)** Study the following arrangement carefully and answer the questions given below.

B M % R 3 J @ K © D F 6 9 W 4 ★ N E P 2 \$ A Y 5 I Q Z # 7 U G

11. Which of the following is the sixth to the left of the twentieth from the left end of the above arrangement ?  
 (1) J  
 (2) Q  
 (3) W  
 (4) E  
 (5) None of these

12. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a number ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
13. If all the symbols and all the vowels are dropped from the above arrangement, which of the following will be the twelfth from the right end ?  
 (1) 9 (2) 6  
 (3) P (4) Y  
 (5) None of these
14. How many such numbers are there in the above arrangement, each of which is immediately preceded by a letter but not immediately followed by a letter ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
15. What should come in the place of question mark (?) in the following series based on the above arrangement ?  
 MRJ © F 9 ★ E 2 ?  
 (1) Y 5 I (2) Y I Q  
 (3) A 5 Q (4) Y I Z  
 (5) None of these

**Directions (Q. 16–20)** 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.

16. **Statements** Some pencils are windows. All windows are roads. Some roads are cups. All cups are chains.  
**Conclusions**  
 I. Some chains are pencils.  
 II. Some cups are pencils.  
 III. Some chains are windows.  
 IV. Some roads are pencils.  
 (1) None follows (2) Only II follows  
 (3) Only IV follows (4) Only III and IV follow  
 (5) Only III follows
17. **Statements** Some beds are mirrors. Some mirrors are dolls. Some dolls are cheques. Some cheques are pins.  
**Conclusions**  
 I. Some pins are dolls.  
 II. Some cheques are beds.  
 III. Some cheques are mirrors.  
 IV. Some dolls are beds.  
 (1) None follows (2) Only I follows  
 (3) Only II follows (4) Only III follows  
 (5) Only IV follows
18. **Statements** All chocolates are holders. No holder is lamp. Some lamps are desks. All desks are pens.  
**Conclusions**  
 I. Some pens are holders.  
 II. Some desks are lamps.  
 III. No pen is holder.

- IV. Some pens are chocolates.  
 (1) Only I follows  
 (2) Only II follows  
 (3) Only III follows  
 (4) Only either I or III follows  
 (5) Only either I or III and II follow

19. **Statements** All glasses are rooms. Some rooms are planes. All planes are ducks. Some ducks are lanterns.  
**Conclusions**  
 I. Some lanterns are planes.  
 II. Some ducks are rooms.  
 III. Some rooms are glasses.  
 IV. Some ducks are glasses.  
 (1) Only I and II follow  
 (2) Only II and III follow  
 (3) Only I, II and III follow  
 (4) All, I, II, III and IV follow  
 (5) None of the above
20. **Statements** Some chairs are tents. Some tents are jugs. All jugs are glasses. All glasses are pots.  
**Conclusions**  
 I. Some pots are tents.  
 II. Some pots are chairs.  
 III. Some glasses are chairs.  
 IV. Some glasses are tents.  
 (1) Only I and II follow (2) Only II and III follow  
 (3) Only I and III follow (4) Only I and IV follow  
 (5) None of the above

**Directions (Q. 21–25)** 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 combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

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

**Conditions**

- (i) If the first letter is a consonant and the fourth letter is a vowel both are to be coded as the code for the vowel.  
 (ii) If the second letter is a vowel and the last letter is a consonant both are to be coded as δ.  
 (iii) If both the first and the last letters are consonants both their codes are to be interchanged.
21. MBUVWE  
 (1) #★©#52 (2) 7★©#52  
 (3) #©★752 (4) #δ©75 δ  
 (5) None of these
22. AJBMFU  
 (1) 49★48© (2) #9★#8©  
 (3) 49★#8© (4) ©9★#84  
 (5) None of these

23. AEIMVH  
 (1) 42@#7\$ (2) 42@47\$  
 (3) #2@47\$ (4) 4\$@#7\$  
 (5) None of these

24. THAFIQ  
 (1) 3\$48@3 (2) 1\$48@3  
 (3) 1\$48@1 (4) 3\$48@1  
 (5) None of these

25. WMEIJU  
 (1) @#2@9© (2) 5#2@9©  
 (3) @#259© (4) 5#259©  
 (5) None of these

**Directions (Q. 26-30)** In the following questions, the symbols @, ©, %, \$ and ★ are used with the following meanings illustrated.

- '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 equal to Q'.
- 'P \$ Q' means 'P is neither smaller than nor equal to Q'.
- 'P @ Q' means 'P is neither greater than nor smaller than Q'.

In each of the following questions assuming the given statements to be true, find out which of the three conclusions I, II and III given below them is/are **definitely true**.

26. **Statements** J \$ D, D © K, K % R  
**Conclusions** I. R \$ J  
 II. R \$ D  
 III. K \$ J

- (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

27. **Statements** M ★ K, K @ R, R % N  
**Conclusions** I. R % M  
 II. R @ M  
 III. N \$ K

- (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 I or II and III are true

28. **Statements** B % H, H \$ J, J ★ M  
**Conclusions** I. B % J  
 II. M % B  
 III. H \$ 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

29. **Statements** Z © K, K % E, E @ R  
**Conclusions** I. R \$ K  
 II. Z % E  
 III. R \$ Z

- (1) Only I is true  
 (2) Only I and II are true  
 (3) Only I and III are true  
 (4) Only II and III are true  
 (5) All I, II and III are true

30. **Statements** W @ M, M © R, R \$ F  
**Conclusions** I. F % M  
 II. R ★ W  
 III. W % F

- (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. 31-35)** 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 an input and rearrangement.

- Input** : 17 put show on 39 27 85 gold  
**Step I** : show 17 put on 39 27 85 gold  
**Step II** : show 85 17 put on 39 27 gold  
**Step III** : show 85 put 17 on 39 27 gold  
**Step IV** : show 85 put 39 17 on 27 gold  
**Step V** : show 85 put 39 on 17 27 gold  
**Step VI** : show 85 put 39 on 27 17 gold  
**Step VII** : show 85 put 39 on 27 gold 17  
 and Step VII 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.

31. **Input** : glass full 15 37 water now 85 67  
 Which of the following will be Step VI of the above input ?

- (1) water 85 now 67 full glass 15 37  
 (2) water 85 now 67 glass full 15 37  
 (3) water 85 now 67 glass 37 full 15  
 (4) There will be no such step  
 (5) None of the above

32. Step II of an input is : ultra 73 12 16 mail sort 39 kite  
 Which of the following steps will be the last but one ?

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

33. Step III of an input is : win 75 voice 15 39 store gap 26  
 Which of the following is definitely the input ?

- (1) voice 15 win 75 39 store gap 26  
 (2) voice win 75 15 39 store gap 26  
 (3) 15 75 win voice store gap 26  
 (4) Cannot be determined  
 (5) None of the above

34. Step II of an input is : tube 83 49 34 garden flower rat 56  
 How many steps will be required to complete the rearrangement ?

- (1) Four (2) Five  
 (3) Six (4) Three  
 (5) None of these

35. **Input** : hunt for 94 37 good 29 48 book  
 How many steps will be required to complete the rearrangement ?

- (1) Four (2) Five  
 (3) Six (4) Seven  
 (5) None of these

**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. B is second to the right of D who is third to the right of F. C is second to the left of A who is second to the left of F. G is third to the right of E.

36. In which of the following combinations is the first person sitting between the second and the third persons ?  
 (1) GCD (2) FGH  
 (3) EFH (4) ABE  
 (5) None of these
37. Who is third to the right of H ?  
 (1) G (2) D  
 (3) C (4) Data inadequate  
 (5) None of these
38. Who is to the immediate right of A ?  
 (1) B (2) E  
 (3) F (4) Data inadequate  
 (5) None of these
39. What is H's position with respect to B ?  
 (1) Fifth to the right (2) Third to the left  
 (3) Fifth to the left (4) Third to the right  
 (5) Fourth to the left
40. Who is to the immediate left of G ?  
 (1) H (2) F  
 (3) D (4) Data inadequate  
 (5) None of these

**Directions (Q. 41–50)** Study the following information carefully and answer the questions given below.

Following are the conditions for selecting Chief-Manager-Marketing in an organization :  
 The candidate must

- (i) be at least 35 years old as on 01.02.2010.
- (ii) have secured at least 55 per cent marks in graduation.
- (iii) have secured at least 60 per cent marks in post graduate degree/diploma in Marketing Management.
- (iv) have post qualification work experience of at least ten years in the marketing division of an organization.
- (v) have secured at least 50 per cent marks in the selection process.

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

- (a) at (iv) above but has post qualification work experience of at least six years as Manager Marketing, the case is to be referred to Head-Marketing Division.
- (b) at (ii) above but has secured at least 65 per cent marks in post graduate degree/diploma in Marketing Management, the case is to be referred to GM-Marketing.

In each question below are given the details of one candidate. You have to take one of the following courses of action 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 01.02.2010.

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

Mark answer (2) if the case is to be referred to Head-Marketing Division.

Mark answer (3) if the case is to be referred to GM-Marketing.

Mark answer (4) if the candidate is not to be selected.

Marks answer (5) if the data provided are inadequate to take a decision.

41. Arnab Behera has secured 65 per cent marks in P.G. degree in Marketing Management and 58 per cent marks in graduation. He has been working in the marketing division of an organization for the past eleven years after completing his post graduate degree. He has secured 55 per cent marks in the selection process. He was born on 8th July 1970.
42. Neeta Ghosal was born on 4th May 1974. She has been working in the marketing division of an organization for the past twelve years after completing her post graduate diploma in Management with 70 per cent marks. She has obtained 60 per cent marks in graduation and 50 per cent marks in the selection process.
43. Sudesh Sarkar was born on 15th June 1974. He has secured 55 per cent marks in the selection process and 50 per cent marks in graduation. He has been working in the marketing division of an organization for the past twelve years after completing post graduate degree in Marketing Management with 75 per cent marks.
44. Sunita Nair was born on 14th April 1973. She has been working in the marketing division of an organization for the past fourteen years after completing her post graduate diploma in Marketing Management with 70 per cent marks. She has secured 50 per cent marks in the selection process and 52 per cent marks in graduation.
45. Sunita Jaiswal was born on 5th July 1976. She has secured 55 per cent marks in graduation and 58 per cent marks in the selection process. She has been working in the marketing division of an organization for the past ten years after completing post graduate degree in Marketing Management with 57 per cent marks.
46. Nayan Dastur was born on 8th October 1968. He has secured 55 per cent marks in both graduation and the selection process. He has been working in the marketing division of an organization for the past ten years after completing post graduate diploma in Marketing Management with 65 per cent marks.
47. Sunil Kamath has secured 58 per cent marks in graduation. He was born on 24th May 1974. He has been working in the marketing division of an organization for the past seven years as Manager Marketing after completing post graduate degree in Marketing Management with 65 per cent marks. He has secured 50 per cent marks in the selection process.
48. Md. Yusuf was born on 29th January 1975. He has secured 55 per cent marks in graduation and 52 per cent marks in the selection process. He has also secured 68 per cent marks in post graduate diploma in Marketing Management. He has been working for the past twelve years in the marketing division of an organization.

49. Navind Ghosh was born on 12th December 1973. He has been working in the marketing division of an organization for the past ten years after completing his post graduate degree in Marketing Management with 63 per cent marks. He has secured 54 per cent marks in graduation and 45 per cent marks in the selection process.
50. Avinash Sargota has been working for the past eight years out of which for six years as Manager Marketing in an organization after completing his post graduate degree in Marketing Management with 62 per cent marks. He has secured 58 per cent marks in graduation and 52 per cent marks in the selection process. He was born on 14th February 1972.

**Directions (Q. 51–55)** 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 course of action I follows.  
 Give answer (2) if only course of action II follows.  
 Give answer (3) if either course of action I or II follows.  
 Give answer (4) if neither course of action I nor II follows.  
 Give answer (5) if both courses of action I and II follow.

51. **Statement** Many pilgrims died in a stampede while boarding a private ferry to the holy place on the first day of the ten day long festival.

**Courses of action**

- I. The Govt. should immediately cancel the licences of all the private ferry operators with immediate effect.  
 II. The Govt. should deploy an adequate number of its personnel to guide pilgrims on their journey to the holy place.

52. **Statement** Some students of the local college were caught travelling in the train without purchasing valid tickets.

**Courses of action**

- I. The parents of these students should be informed about the incident and requested to counsel their wards.  
 II. These students should be put behind bars for travelling without bonafide credentials.

53. **Statement** A large part of the locality was flooded as the main pipe supplying drinking water burst while the workers of a utility company were laying cables in the area.

**Courses of action**

- I. The civic authority should immediately arrange to repair the damage and stop loss of water.  
 II. The civic authority should seek an explanation and compensation from the utility company for the damage caused by them.

54. **Statement** Millions of pilgrims are expected to take a dip in the Ganges at the holy place during the next fortnight.

**Courses of action**

- I. The government should restrict the number of pilgrims who can take dip each day during the fortnight.  
 II. The Government should deploy an adequate number of security personnel to maintain law and order during the next fortnight at the holy place.

55. **Statement** The rate of inflation has reached its highest in last twenty years and there is no sign of it softening in the coming months.

**Courses of action**

- I. Government should initiate steps like reducing Government taxes on essential commodities with immediate effect.  
 II. Farmers should be asked by the Government to sell their produce at lower prices.

**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 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.

56. **Statement** The driver of the huge truck pulled the emergency brakes to avoid hitting the auto rickshaw which suddenly came in front of the truck.

**Assumptions**

- I. The auto rickshaw driver may be able to steer his vehicle away from the oncoming truck.  
 II. The truck driver may be able to stop the truck before it hits the auto rickshaw.

57. **Statement** The doctor warned the patient against any further consumption of alcohol, if he desired to get cured from the ailment and live a longer life.

**Assumptions**

- I. The patient may follow the doctor's advice and stop consuming alcohol.  
 II. The doctor may be able to cure the patient from the ailment, if the patient stops consuming alcohol.

58. **Statement** The Chairman of the company urged all the employees to refrain from making long personal calls during working hours in order to boost productivity.

**Assumptions**

- I. Majority of the employees may respond positively to the Chairman's appeal.  
 II. Most of the employees may continue to make long personal calls during working hours.

59. **Statement** The local cultural club decided to organise a musical event to raise money the construction of the club building.

**Assumptions**

- I. The local residents may not allow the club to organise the musical event in the locality.  
 II. The money collected by organizing the musical event may be substantial enough for the club to start construction.

**60. Statement** The traffic police department has put huge notice boards at all the major junctions of the city warning drivers to refrain from using cell phones while driving or else their licences will be impounded.

**Assumptions**

- I. The drivers of the vehicles may ignore the warning and continue using cell phones while driving.
- II. The traffic police department may be able to nab most of the offenders and impound their licences.

**Directions (Q. 61–65)** 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.

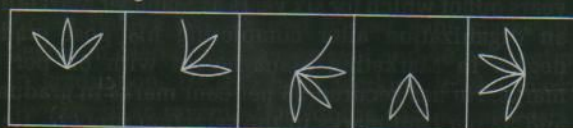
There has been considerable debate in India regarding the privatization of higher education. In this debate, there is generally an implicit assumption that privatization is essentially the same as corporatization i.e. private investment comes due to the potential of returns. In the higher education field, privatization and corporatization are actually quite different. Privatization is regarding who controls the educational institute and the role of government in the management and funding of the institute, while corporatization is about making profits. In India, there is no doubt that private not-for-profit universities need to be encouraged to increase education opportunities, and the fact that there is no other alternative as the government simply cannot create enough public universities to satisfy the demand. However, guidelines for private not-for-profit universities should be made clear, simple and transparent to ensure that they are truly not for profit and offer a level playing field to all those who might want to set up a private university.

- 61. Privatization of higher education has yet to take proper shape in India.
- 62. Expansion of higher education opportunities in India is needed to meet the increasing demand.
- 63. Corporatization of higher education has benefitted the students in the developed countries.
- 64. Privatization of higher education will lead to commercialization of education in India.

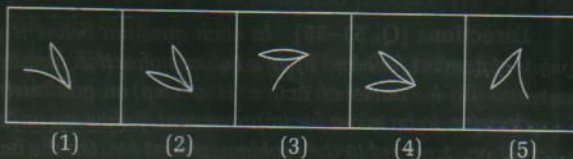
65. India does not have any extant guidelines for setting up higher educational institutions by private entities.

**Directions (Q. 66–75)** 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?

**66. Problem Figures**



**Answer Figures**



**67. Problem Figures**



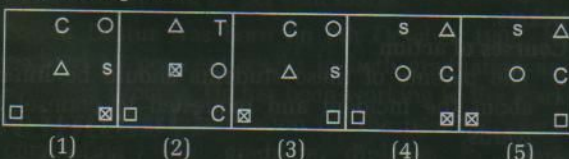
**Answer Figures**



**68. Problem Figures**



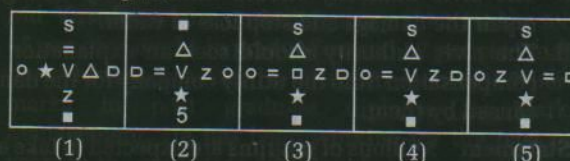
**Answer Figures**



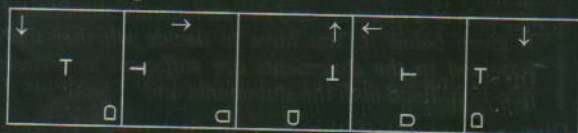
**69. Problem Figures**



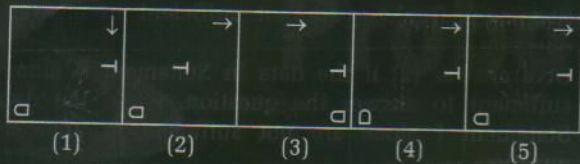
**Answer Figures**



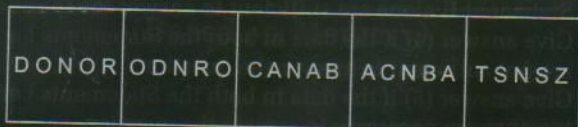
70. Problem Figures



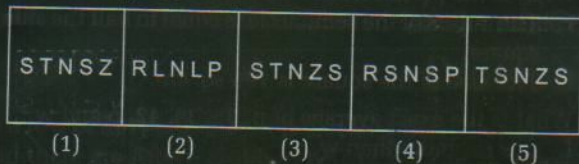
Answer Figures



71. Problem Figures



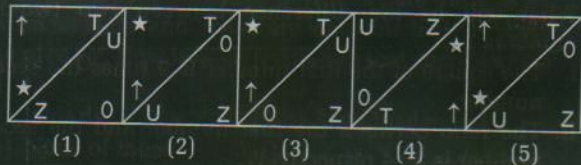
Answer Figures



72. Problem Figures



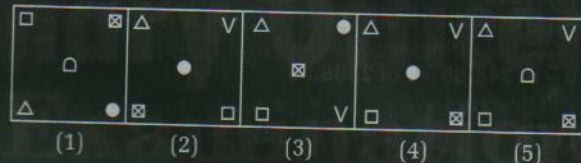
Answer Figures



73. Problem Figures



Answer Figures



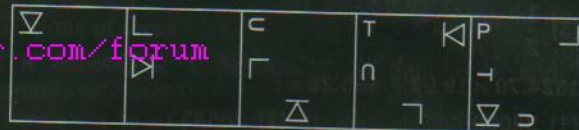
74. Problem Figures



Answer Figures



75. Problem Figures



Answer Figures

