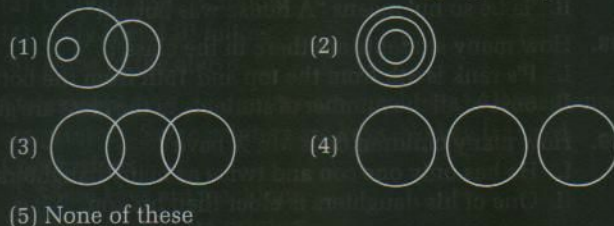


Reasoning Ability

- In a certain code, LAWN is written as JCUP. How will SLIT be coded in that code ?
 - QNGV
 - Q JGV
 - QNVG
 - NJGV
 - NJVG
- In a certain code PRAISE is written as #@\$27% and RESPIRE is written as @7#2@%. How is REPAIR written in that code ?
 - @%#2\$@
 - @%\$#2@
 - @%#\$2@
 - @%\$2#@
 - None of these
- 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 ?
 - Violet
 - Blue
 - Red
 - Yellow
 - Pink
- If all the vowels of the word CONSTRUCTED are substituted with the next letter of the English alphabetical series, and each consonant is substituted with the letter preceding it, which of the following would be the ninth letter from the right ?
 - R
 - Q
 - P
 - M
 - None of these
- How many digits are there in the number 71836942 each of which is as far away from the beginning of the number as when the digits are arranged in ascending order ?
 - One
 - Two
 - Three
 - Four
 - None of these
- How many meaningful English words can be formed with the letters URLE using each letter only once in each word ?
 - None
 - One
 - Two
 - Three
 - More than three
- If it is possible to make only one meaningful word with the second, third, sixth and eighth letters of the word BASEMENT, which of the following will be the third letter of that word ? If no such word can be made, give 'X' as your answer and if more than one such word can be formed, give 'Y' as the answer
 - X
 - Y
 - T
 - N
 - R
- What should come next in the following number series ?
3 4 4 3 4 4 5 3 4 4 5 6 3 4 4 5 6 7 3 4 4 5 6
 - 4
 - 5
 - 6
 - 7
 - None of these
- How many such pairs of letters are there in the word SEQUENTIAL each of which has as many letters between them in the word as in the English alphabet ?
 - None
 - One
 - Two
 - Three
 - More than three
- The following groups of alphabets from a certain pattern with regard to their position in the English alphabetic series. Based upon the pattern, which of the following five alternatives shall replace the question mark ?
GFD, JIG, MLJ, POM, ?
 - SPR
 - SRP
 - RPS
 - RSP
 - None of these
- In a certain code, SATELLITE is written as FUBTLDSHK. How is LAUNCHING written in that code ?
 - DOUBFGMHO
 - OVBMCFMHG
 - OVBBCFMHG
 - DOUBCFMHG
 - None of these
- If all the letters in the word POETICAL are rearranged as they appear in the English alphabetical order, the position of how many letters will remain unchanged after the rearrangement ?
 - None
 - One
 - Two
 - Three
 - Four

13. There are five steel boxes labelled A, B, C, D and E. E is heavier only than A. C is heavier than A and E and is less heavier than B which is not the heaviest. Which of the following boxes is the heaviest ?
 (1) A (2) B
 (3) C (4) D
 (5) E
14. Which of the following diagrams represents the relation between Red, clothes and roses most appropriately ?



15. 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) Grandchild (2) Niece
 (3) Uncle (4) Grandfather
 (5) Nephew
16. Abha correctly remembers that her mother's birthday is before Friday while after Monday. Her brother Abhay correctly remembers that their mother's birthday is after Wednesday while, before Saturday. On which of the following days does their mother's birthday definitely fall ?
 (1) Tuesday (2) Wednesday
 (3) Thursday (4) Friday
 (5) Cannot be determined
17. Nidhi walks 5 km towards the North, takes a right turn and walks 10 km. She now takes a left turn and walks 5 km. She finally takes another left turn and walks 10 km. Towards which of the following directions is she walking now ?
 (1) East (2) South
 (3) North (4) West
 (5) None of these

Directions (Q. 18–22) Study the following carefully and answer the questions.

A, B, C, D, E, F, G and H are sitting around a circle, facing the centre. E and G always sit next to each other. D sits third to the right of C. F sits to the left of H. C never sits next to A while D never sits next to G. H is not the neighbour of D and C.

18. Who sits to immediate right of F ?
 (1) D (2) C
 (3) B (4) A
 (5) None of these
19. Four of the following are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group ?
 (1) CH (2) BA
 (3) FE (4) DG
 (5) AC

20. Which of the following pairs sits between B and F ?
 (1) HB (2) FD (3) BG
 (4) GC (5) AH
21. Who sits second to the left of B ?
 (1) F (2) G (3) A
 (4) E (5) None of these
22. Who sits between A and D ?
 (1) B (2) F
 (3) C (4) E
 (5) None of these

Directions (Q. 23–28) In each of these questions, a group of letters is given followed by four combinations of digit/symbol numbered (1), (2), (3) and (4). Letters are to be coded as per the scheme and conditions given below. You have to find out the serial number of the combination, which represents the letter group. Serial number of that combination is your answer. If none of the combinations is correct, your answer is (5) i.e., 'None of these'.

Letters	F	G	A	K	M	E	S	P	L	Q	B	U	R	I	T
Digit/Symbol Code	9	%	2	\$	★	7	@	8	1	6	5	©	4	#	3

Conditions

- If the first letter is a vowel and the last a consonant, both are to be coded as the code for the vowel.
 - If the first letter is consonant and the last a vowel, the codes for the first and the last letters are to be interchanged.
 - If both the first and the last letters are consonant both are to be coded as 'δ'.
 - If more than two vowels are there in the group of letters, all vowels are to be coded as £.
23. BSQEGU
 (1) 5@67%© (2) δ@67%δ
 (3) ©@67%© (4) 5@67©%
 (5) None of these
24. MGSELI
 (1) ★%@71# (2) ★%@17#
 (3) #%@71★ (4) %#@17★
 (5) None of these
25. IPKUSR
 (1) #8\$©@# (2) 48\$©@#
 (3) #8\$©@4 (4) #8\$©4@
 (5) None of these
26. TEFSUM
 (1) δ79@©δ (2) 379@©★
 (3) ★79@©3 (4) δ79@δ©
 (5) None of these
27. KAGFUB
 (1) \$2%9©5 (2) 52%9©\$
 (3) \$2%©95 (4) δ2%9©δ
 (5) None of these
28. AQUMTE
 (1) 76©★32 (2) £6£★3£
 (3) 26©★32 (4) 26©★23
 (5) None of these

Directions (Q. 29–31) Study the sets of numbers given below and answer the questions which follow.

279 543 926 247 438

29. Which of the following numbers will be obtained if the second digit of the smallest number is added to the third digit of the largest number, after adding 5 to each number ?
 (1) 4 (2) 5 (3) 6
 (4) 9 (5) None of these
30. If in each number, the first and the last digits are interchanged, which will be the largest number ?
 (1) 247 (2) 926 (3) 543
 (4) 279 (5) 438
31. If the second and the third digits are interchanged, which will be the smallest number ?
 (1) 438 (2) 247 (3) 926
 (4) 279 (5) 543

Directions (Q. 32–34) Read the following information carefully and answer the questions which follow.

If 'A × B' means 'A is wife of B'

If 'A + B' means 'A is brother of B'

If 'A ÷ B' means 'A is daughter of B'

If 'A – B' means 'A is son of B'

32. How is Q related to P if 'P + R × T – Q' ?
 (1) Granddaughter
 (2) Mother-in-law/Father-in-law
 (3) Grandmother
 (4) Grandmother/Grandfather
 (5) None of the above
33. How is R related to Q, if 'P – Q + R + T' ?
 (1) Brother/Sister (2) Niece
 (3) Sister (4) Nephew/Niece
 (5) None of these
34. How is T related to P if 'P × Q – T + R' ?
 (1) Mother
 (2) Father-in-law
 (3) Mother-in-law
 (4) Mother-in-law/Father-in law
 (5) None of the above

Directions (Q. 35–39) 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 are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

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

Give answer (3) if the data in Statement I alone or in Statement II alone are sufficient to answer the question

Give answer (4) if the data in both the Statements I and II 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.

35. Is it 5 O'clock ?
 I. One hour ago Reena left for home.
 II. One hour later the hour and minute hands of clock will make a straight line.
36. Who is tallest among A, B, C and D ?
 I. A is taller than D, who is taller than B.
 II. C is shorter than B.
37. What does 'so' mean in the code language ?
 I. 'ni la pe so' means "I bought a car".
 II. 'la be so nu' means "A house was bought".
38. How many students are there in the class ?
 I. P's rank is 9th from the top and 15th from the bottom.
 II. 66% of all the number of students in the class are girls.
39. How many children does Mr. X have ?
 I. He has only one son and twice as many daughters.
 II. One of his daughters is elder than his son.

Directions (Q. 40–46) 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.

40. **Statements** Some letters are words. All words are sentences. Some sentences are paragraphs. Some paragraph is a chapter.

Conclusions

I. Some words are paragraphs.

II. Some chapters are letters.

III. No chapter is letter.

IV. Some letters are sentences.

(1) Only IV follows

(2) Only III and IV follow

(3) Only either II or III follows

(4) Only IV and either II or III follow

(5) None of the above

41. **Statements** Some files are folders. Some folders are boxes. All boxes are bags. Some bags are trunks.

Conclusions

I. Some bags are folders.

II. Some boxes are trunks.

III. Some bags are files.

IV. Some trunks are folders.

(1) None follows (2) Only I follows

(3) Only III follows (4) Only II follows

(5) None of these

42. **Statements** Some flowers are fruits. Some fruits are cashews. Some cashews are cherries. All cherries are nuts.

Conclusions

I. Some cherries are fruits.

II. All cashews are nuts.

III. Some nuts are fruits.

IV. Some nuts are cashews.

(1) Only I and II follow (2) Only II and III follow

(3) Only III follows (4) Only I follows

(5) Only IV follows

43. **Statements** All chalks are pens. All pens are stands. No stand is notebook. Some notebooks are books.

Conclusions

- I. No chalk is notebook.
- II. No pen is notebook.
- III. No chalk is book.
- IV. No pen is book.

- (1) Only I and II follow
- (2) Only III follows
- (3) Only III and IV follow
- (4) Only II and III follow
- (5) None of the above

44. **Statements** All computers are machines. All machines are printers. Some printers are keys. No key is board.

Conclusions

- I. Some keys are machines.
- II. Some boards are printers.
- III. All printers are machines.
- IV. Some boards are computers.

- (1) None follows
- (2) Only I and II follow
- (3) Only III follows
- (4) Only either II or IV follows
- (5) None of the above

45. **Statements** Some coins are metals. Some metals are papers. Some papers are clothes. Some clothes are apparels.

Conclusions

- I. Some apparels are papers.
- II. Some clothes are coins.
- III. Some apparels are metals.
- IV. No cloth is coin.

- (1) Only I follows
- (2) Only either I or III follows
- (3) Only either II or IV follows
- (4) Only II and IV follow
- (5) None of the above

46. **Statements** Some curtains are nets. All nets are holes. All holes are windows. Some windows are partitions.

Conclusions

- I. Some curtains are partitions.
- II. Some nets are partitions.
- III. All nets are windows.
- IV. Some curtains are holes.

- (1) Only I and III follow
- (2) Only either I or II and III follow
- (3) Only III and IV follow
- (4) Only II and III follow
- (5) None of the above

Directions (Q. 47–53) In these question symbols \$, #, %, © and @ are used with different meanings as follows.

'A \$ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is neither smaller than nor greater than B'.

'A © B' means 'A is greater than B'.

'A @ B' means 'A is not greater than B'.

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

Give answer (1) if only conclusion I is true.

Give answer (2) if only conclusion II is true.

Give answer (3) if either conclusion I or conclusion II is true.

Give answer (4) if neither conclusion I nor conclusion II is true.

Give answer (5) if both conclusions I and II are true.

47. **Statements** D \$ L, L @ V, V # W

- Conclusions** I. D \$ V
- II. D @ W

48. **Statements** M # T, T © H, F @ H

- Conclusions** I. M © H
- II. T © F

49. **Statements** H © L, L % E, E \$ T

- Conclusions** I. H @ T
- II. H © T

50. **Statements** L @ R, R % J, J © N

- Conclusions** I. L @ N
- II. N \$ R

51. **Statements** V # F, F © J, J % D

- Conclusions** I. V # D
- II. F © D

52. **Statements** L % T, T @ J, J # K

- Conclusions** I. L © K
- II. T © K

53. **Statements** G @ K, K @ F, F \$ M

- Conclusions** I. G © F
- II. K @ M

Directions (Q. 54–60) These questions are based on the following arrangement. Study it carefully and answer the questions below it.

B 7 E H \$ 3 L % 8 I F M 4 1 A R 6 # ↑ 9 D 5 K U 2 T

54. Which element is exactly midway between seventh from the left end and sixth from the right end ?

- (1) A
- (2) R
- (3) 4
- (4) 6
- (5) 1

55. How many such vowels are there in the above arrangement each of which is immediately preceded by a consonant and also immediately followed by a number ?

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

56. If from the above arrangement all the numbers are deleted, which one will be fourth to the right of tenth from the right end ?

- (1) ↑
- (2) #
- (3) R
- (4) D
- (5) None of these

57. How many such symbols are there in the given arrangement, each of which is immediately followed by a number, but not immediately preceded by another symbol ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
58. Which element is seventh to the left of thirteenth from the left end ?
 (1) 3 (2) L
 (3) D (4) 9
 (5) None of these
59. If on the basis of the given arrangement H3 : %I then 6 ↑ : ?
 (1) 5U (2) DK
 (3) 95 (4) 9K
 (5) None of these
60. Four of the following five are alike in a certain way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to the group ?
 (1) EBH (2) 8LI
 (3) 2KT (4) #R↑
 (5) 41F

Directions (Q. 61–65) Given an input line the machine rearranges them step by step as per the illustration given below.

Input : Show must 73 85 go 69 on 32
 Step I : 32 show must 73 85 go 69 on
 Step II : 32 go show must 73 85 69 on
 Step III : 32 go 69 show must 73 85 on
 Step IV : 32 go 69 must show 73 85 on
 Step V : 32 go 69 must 73 show 85 on
 Step VI : 32 go 69 must 73 on show 85
 Step VII : 32 go 69 must 73 on 85 show
 Step VII is the last step and the arrangement in Step VII is the final arrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

61. If the third step of an input is "14 but 26 not just 63 fundamental 47" ; which of the following is definitely the input ?
 (1) 26 14 but not just 63 fundamental 47
 (2) 63 26 but 14 not just 63 fundamental 47
 (3) fundamental 26 14 but not just 63 47
 (4) Cannot be determined
 (5) None of the above
62. First step of an input is "34 fire dress well 63 43 prime 52". Which step is the last but one ?
 (1) IV (2) III
 (3) VI (4) VII
 (5) V
63. What will be the fourth step for the following input ?
 Input : just in time for 36 48 14 59
 (1) 14 for 36 in just time 48 59
 (2) 14 for 36 just in time 48 59
 (3) 14 for 36 in 48 just time 59
 (4) Cannot be determined
 (5) None of the above

64. If the second step of an input is "23 fine 49 sixty rely 38 56 next", how many more steps will be required to complete the arrangement ?
 (1) 2 (2) 5
 (3) 6 (4) 4
 (5) None of these
65. If the second step for an input is "17 do foreign 95 74 heights mountain 29", what will be the fifth step ?
 (1) 17 do 29 foreign heights 74 95 mountain
 (2) 17 do 29 foreign 74 mountain heights 95
 (3) 17 do 29 foreign 74 heights 95 mountain
 (4) There will be no such step
 (5) None of the above

Directions (Q. 66–70) Study the following information carefully to answer these questions.

Seven members A, B, C, D, E, F and G represent seven different states Madhya Pradesh, Uttar Pradesh, Bihar, Kerala, Tamil Nadu, Orissa and Maharashtra in seven different games Hockey, Chess, Cricket, Badminton, Table Tennis, Golf and Billiards. The order of persons, states and games is not necessarily the same.

D represents Kerala in Chess. E represents Golf team but not from Maharashtra or Uttar Pradesh. A represents Madhya Pradesh for Badminton. C represents Orissa but not for Cricket or Table-Tennis. The one who represents Bihar, represents Table-Tennis. The one who represents Hockey represents Uttar Pradesh. F represents Maharashtra for Cricket. G does not represent Bihar.

66. Which of the following combinations of game and state is correct ?
 (1) Orissa-Chess
 (2) Orissa-Billiards
 (3) Tamil Nadu-Cricket
 (4) Maharashtra-Chess
 (5) None of the above
67. Who represents Billiards team ?
 (1) G (2) F (3) C
 (4) B (5) None of these
68. Who represents Bihar ?
 (1) G (2) E
 (3) B (4) B or E
 (5) None of these
69. Who represents Uttar Pradesh ?
 (1) G (2) F
 (3) B (4) Cannot be determined
 (5) None of these
70. E represents which state ?
 (1) Bihar (2) Kerala
 (3) Uttar Pradesh (4) Tamil Nadu
 (5) None of these

Directions (Q. 71–80) Following are the criteria laid down for the selection of Jr. Executives in an organisation.

The candidate must

- (i) have scored at least 70% marks in SSC examination.
 (ii) have obtained graduation degree in any discipline with at least 65% marks and first class.

- (iii) have cleared the selection test with at least 55% marks.
- (iv) have cleared the interview with at least 50% marks.
- (v) be not less than 21 years of age and not more than 28 years of age as on 1.9.2008.
- (vi) have completed at least a certificate/diploma course in computers.

However, if a candidate satisfies all the above mentioned criteria **except**

- (a) at (ii) above, but has completed post-graduation in any discipline, the case may be referred to the Vice President of the company.
- (b) at (iii) above, but has secured at least 50% marks in selection test and at least 60% marks in interview, the case may be referred to the General Manager (Recruitment) of the company.

In each of the questions below, information of one candidate is given. You have to take one of the following five decisions based on the information provided and the criteria and conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.09.2008. You have to indicate your decision by marking answers to each question as follows :

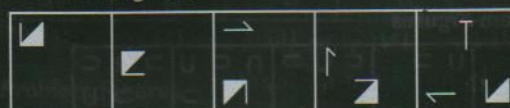
- Mark answer (1) if the candidate is to be selected.
- Mark answer (2) if the candidate is not to be selected.
- Mark answer (3) if the data is inadequate to take a decision.
- Mark answer (4) if the case is to be referred to the Vice President of the company.
- Mark answer (5) if the case is to be referred to the General Manager (Recruitment) of the company.

71. Shamika is a Science graduate passed in first class with 69% marks. She had passed SSC exam securing 83% marks. She has cleared selection test with 53% marks and interview with 63% marks. Her date of birth is 1.8.1983. She has completed a six months certificate course in computers.
72. Abhijit is a graduate with 60% marks and a post graduate with 65% marks. He has completed one year diploma course in computers. He had scored 85% marks in SSC. He has cleared the selection test and interview with 58% and 56% marks respectively. His date of birth is 17.5.1986.
73. Ankita is a Commerce graduate passed in first class with 68% marks. She has completed a two years diploma course in computers after graduation. Her SSC score was 85%. She has cleared the selection test with 64% marks and interview with 58% marks. Her date of birth is 27.8.1985.
74. Manisha has scored 73% marks in SSC and 62% marks in graduation. After graduation she is working in a private firm. She has cleared the selection test with 58% marks and interview with 62% marks. Her date of birth is 11.5.1983. She has completed a certificate course in computers.
75. Nikita is a graduate in Engineering passed in first class with 72% marks. She has cleared the selection test and interview with 63% and 65% marks respectively. She has done one year diploma course in computers. Her date of birth is 16.7.1984.

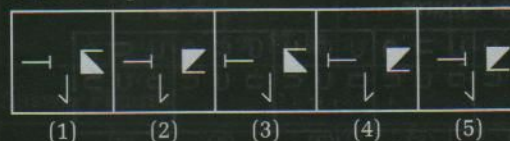
76. Rajesh Chavan is an Arts graduate passed in first class with 61% marks. He has also completed M.A in English with 62% marks. His SSC score was 78%. He has cleared the selection test with 56% and interview with 54% marks. His date of birth is 25.3.1984. He has completed a diploma course in computers.
77. Jyotika Basu is B.Sc passed out in 2004 in first class with 68% marks. She scored 67% marks in SSC. She is pursuing M.Sc at present. She has cleared the selection test and interview with 56% and 53% marks respectively. She has completed a certificate course in computers. Her date of birth is 15.5.1985.
78. Sujay Chaudhary has passed SSC with distinction and 81% marks and B.Com in first class with 68% marks. He has completed a certificate course in computers. He has cleared the selection test with 51% marks and interview with 61% marks. He has completed 23 years of age on 21.2.2008.
79. Vivek is presently pursuing post graduation in Economics. He has passed graduation in first class with 72% marks. He had scored 78% marks in SSC. His date of birth is 21.8.1985. He has secured 58% marks in selection test and 62% marks in interview. He has passed a 6 months diploma course in computers.
80. Nandan Savla is a B. Com passed in first class with 66% marks. He had secured 75% marks in HSC. He has completed 25 years of age on 25th July 2008. He has cleared selection test and interview each with 56% marks. He has completed one year certificate course in computers in grade 'A'.

Directions (Q. 81-100) 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 ?

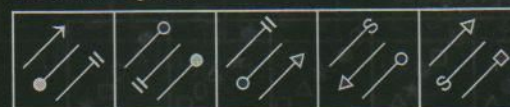
81. Problem Figures



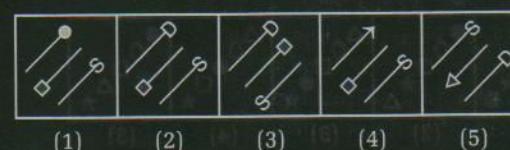
Answer Figures



82. Problem Figures



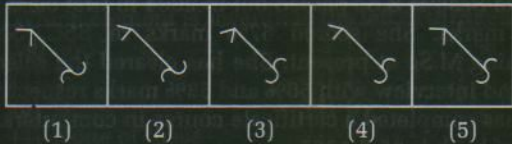
Answer Figures



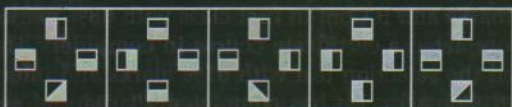
83. Problem Figures



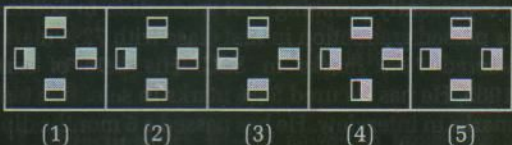
Answer Figures



84. Problem Figures



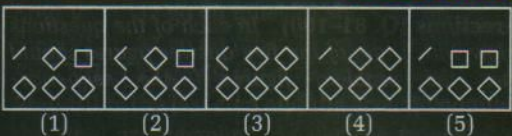
Answer Figures



85. Problem Figures



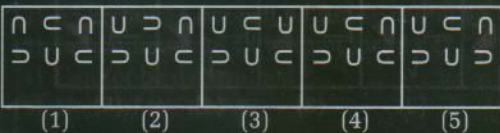
Answer Figures



86. Problem Figures



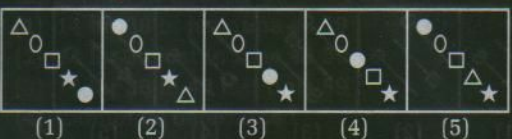
Answer Figures



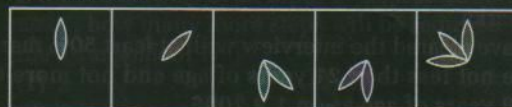
87. Problem Figures



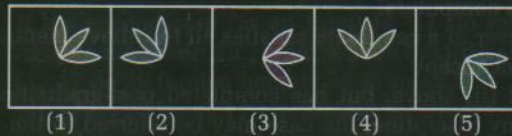
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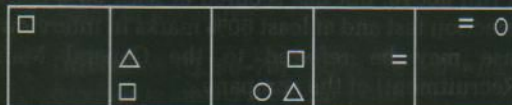
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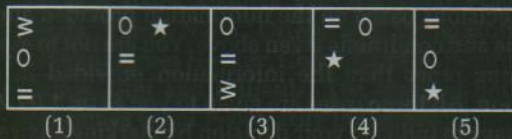
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89. Problem Figures



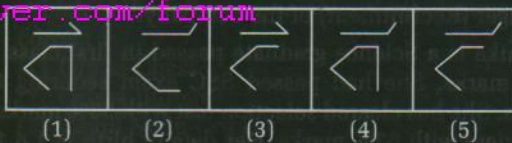
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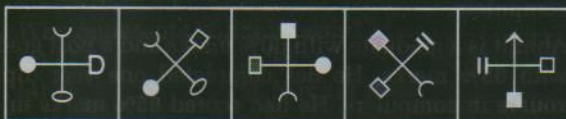
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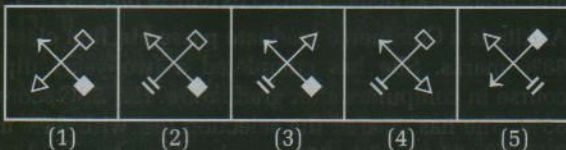
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91. Problem Figures



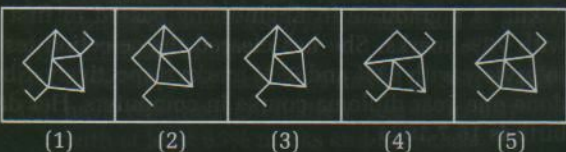
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92. Problem Figures



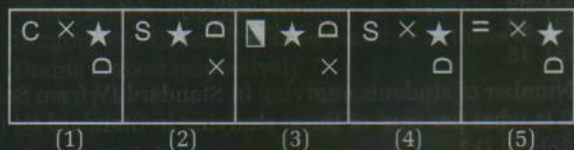
Answer Figures



93. Problem Figures



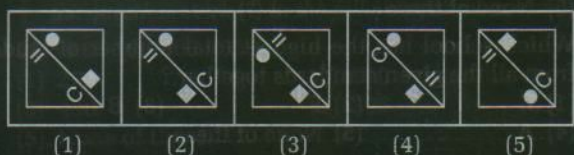
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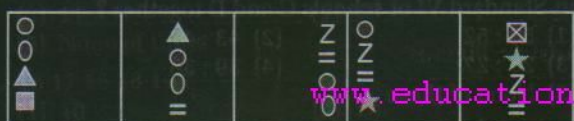
94. Problem Figures



Answer Figures



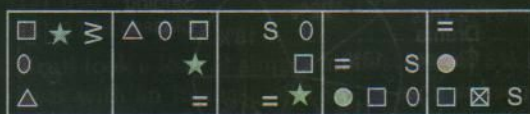
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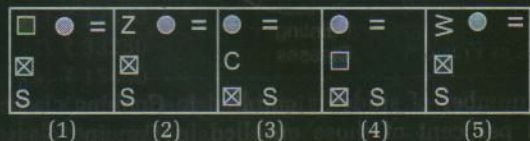
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96. Problem Figures



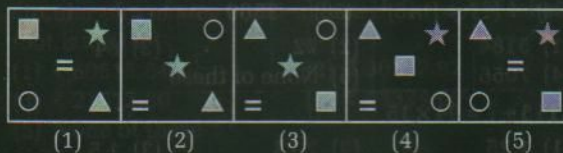
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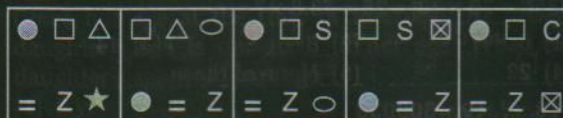
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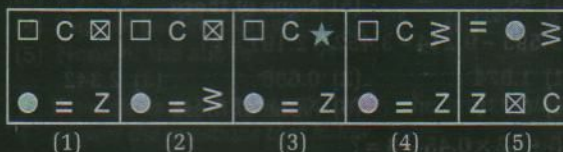
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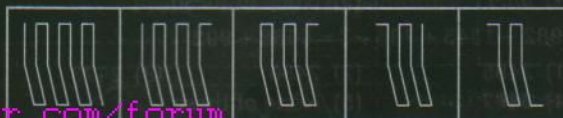
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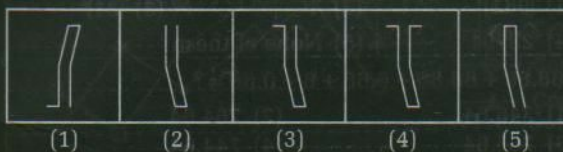
Answer Figures



99. Problem Figures



Answer Figures



100. Problem Figures



Answer Figures

