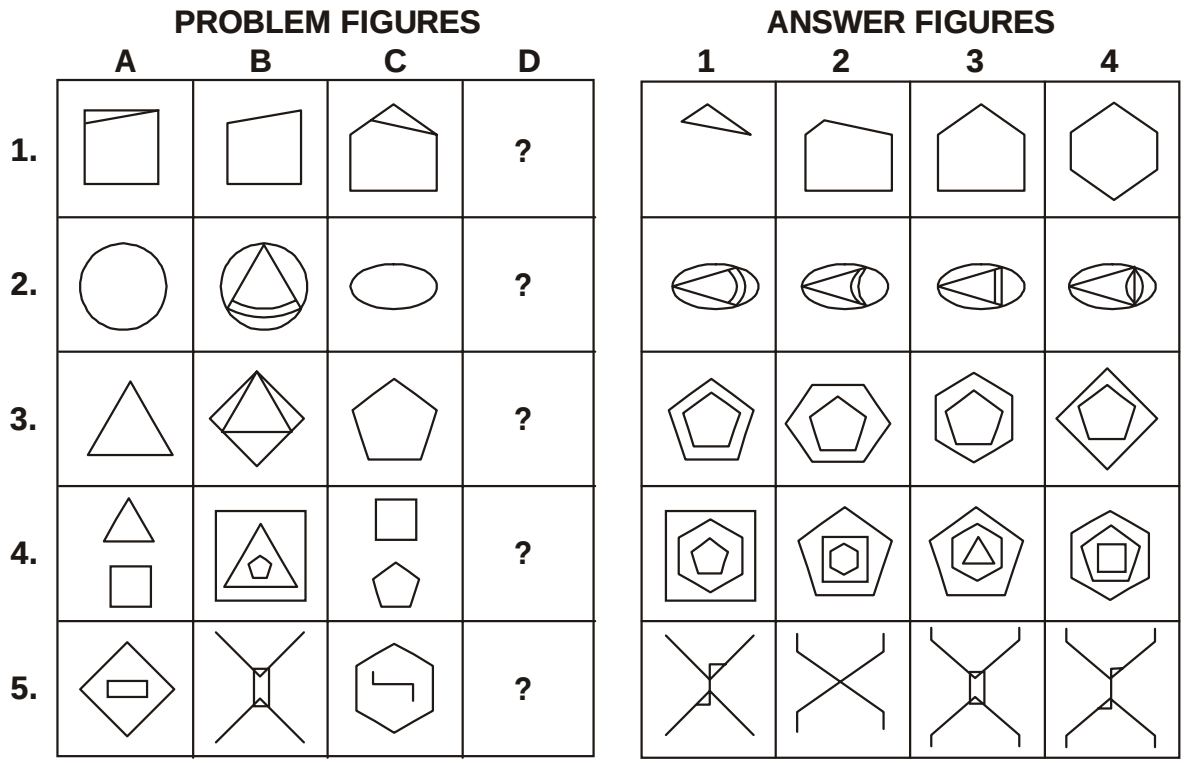
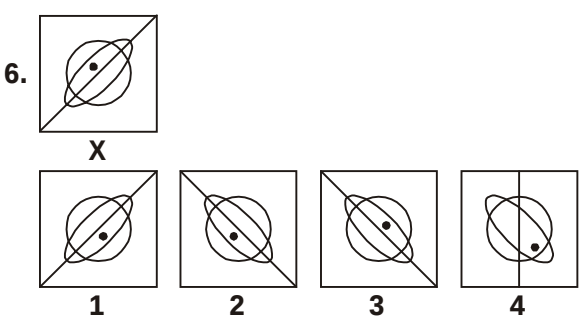
TEST OF REASONING-1

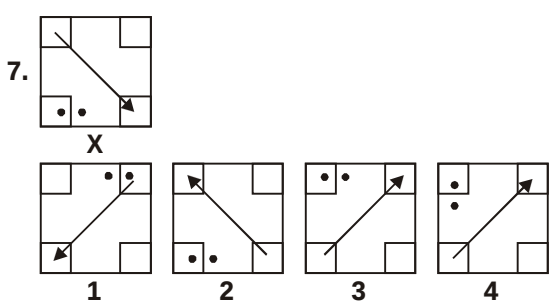
Solved paper of Life Insurance Corporation (Chandigarh Region) Exam, 2004

***Directions** (Q. Nos. 1-5):* **Figures A and B are related in a particular manner. Establish the same relationship between figures C and D by choosing a figure from amongst the four alternatives (1), (2), (3) and (4), which would replace the question mark in place of figure D.**



***Directions** (Q. Nos. 6-10):* **In each of the following questions, choose the correct water-image of the figure (X) from amongst the four alternative figures (1), (2), (3) and (4) given below it.**





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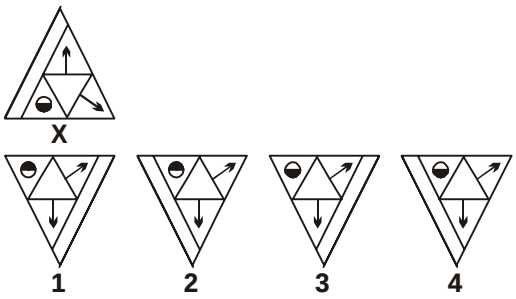

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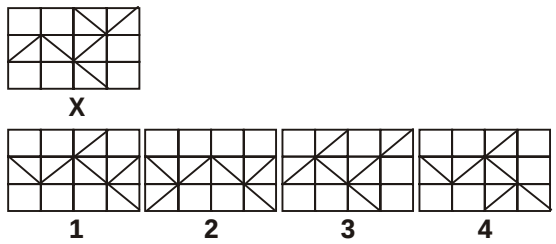

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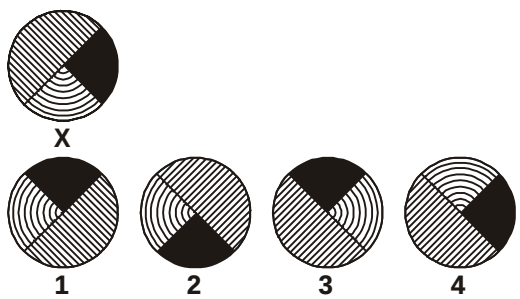


11. Below is given a number series:

1 8 5 7 2 9 8 4 3 6 2 7 5 1 8 9 4 3 6 5 9

How many instances are there in which an even number is followed by two odd numbers?

(1) Nil (2) One
(3) Two (4) Three

12. In the following number series how many 5s are preceded by 6 and not immediately followed by 8?

5 8 2 5 6 8 3 6 5 5 3 5 5 8 8 3 5 6 5 2 8 0 6 5 8 3

(1) 1 (2) 2 (3) 4 (4) 6

13. In a row of 16 boys, when Amit was shifted two places towards the left, he became 7th from left end. What was his earlier position from the right end of the row?

(1) 7th (2) 8th (3) 9th (4) 10th

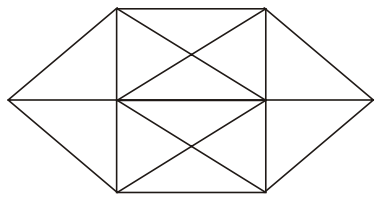
14. If L denotes ×; M denotes ÷; P denotes + and Q denotes –, then

16 P 24 M 8 Q 6 M 2 L 3 = ?

(1) 10 (2) 19
(3) $2\frac{1}{6}$ (4) $14\frac{1}{2}$

15. How many triangles are there in the following figure?

(1) 26 (2) 28 (3) 32 (4) 34



16. In a certain code SENIOR is coded as NZIDJM, which word would be coded as XDODUZI in that code?

(1) CISTERN (2) INQUIRE
(3) CITIZEN (4) SUSTAIN

17. If INSURANCE is coded as ECNARUSNI, how HINDRANCE will be coded?

(1) CADNIHNCE (2) HANCDEINR
(3) AENIRHDCN (4) ECNARDNIH

18. If GRANDEUR is coded as JODKGBXO, how PRESERVE will be coded?

(1) SOHPHOYB (2) RYBOPHOS
(3) OBYSOHPH (4) PHOYBOSH

19. If GRASP is coded as TIZHK, what will be coded as OVTZXB?

(1) LEGATE (2) LEAGUE
(3) LEGACY (4) LEDGER

20. If water is called food, food is called tree, tree is called sky, sky is called wall, on which of the following grows a fruit?

(1) Water (2) Tree
(3) Wall (4) Sky

Directions (Q. Nos. 21-25): **Choose the number which is different from others in the group.**

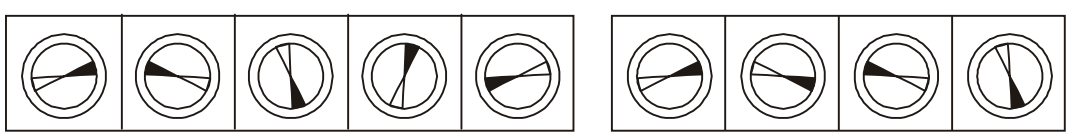
21. (1) 43 (2) 53 (3) 63 (4) 73
22. (1) 125 (2) 343 (3) 729 (4) 1321
23. (1) 441 (2) 383 (3) 551 (4) 263
24. (1) 109 (2) 126 (3) 207 (4) 378
25. (1) 324 (2) 442 (3) 523 (4) 631

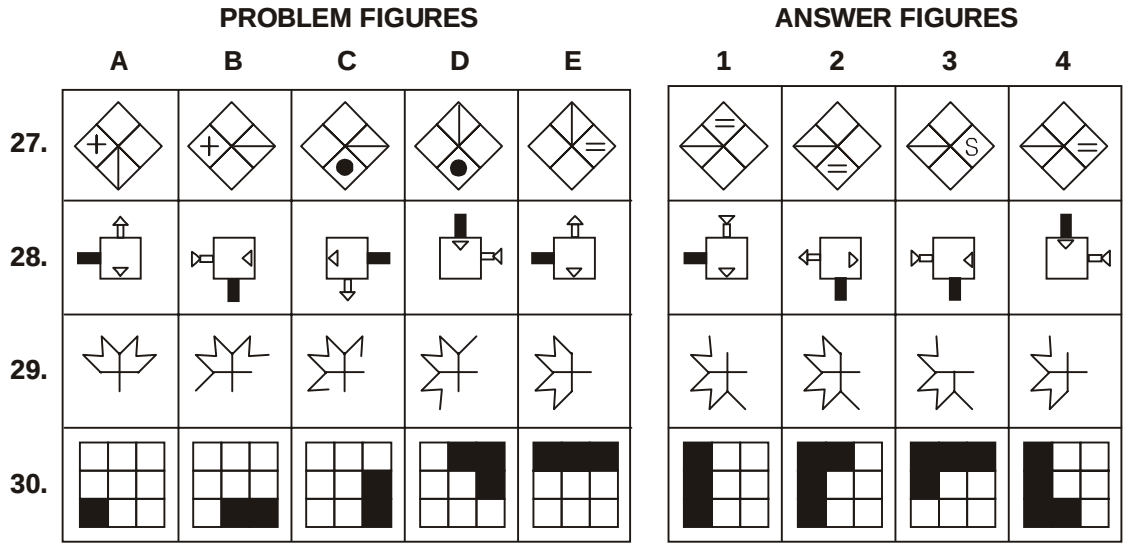
Directions (Q. Nos. 26-30): **Each of the following questions consists of five figures marked (A), (B), (C), (D) and (E) called the problem figures. These are followed by four figures (1), (2), (3) and (4) called the answer figures. Select a figure from amongst the answer figures which will continue the same series as established by the five problem figures.**

PROBLEM FIGURES **ANSWER FIGURES**

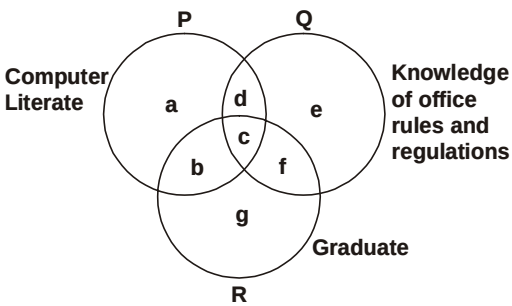
A B C D E 1 2 3 4

26.





Directions (Q. Nos. 31-35): **The figure given below consists of three intersecting circles which represent the candidates for some posts of assistants who are computer literate; who have knowledge of office rules and regulations; and who have a bachelor degree. Each region in the figure is represented by a small letter.**



On the basis of above figure answer the following questions:

31. Which letter represents the candidates who are computer literate and have knowledge of office, rules and regulations but do not have bachelor degree?
(1) b (2) c (3) d (4) f

32. Which letter represents the candidates who are computer literate but neither have a bachelor degree nor have knowledge of office, rules and regulations?
(1) a (2) b (3) c (4) d

33. Which letter represents the candidates who are computer literate and have a bachelor degree but do not have knowledge of office, rules and regulations?
(1) g (2) e (3) c (4) b

34. Which letter represents the candidates who are computer literate, know office, rules and regulations and are graduates?
(1) b (2) c (3) f (4) g

35. Which letter represents the candidates who are graduate, know office, rules and regulations but do not have knowledge of computers?
(1) c (2) e (3) f (4) g

36. If A is to the south of B and C is to the east of B, in what direction is A with respect to C?
(1) South-East (2) South-West
(3) North-East (4) North-West

37. Six persons A, B, C, D, E and F are standing in a circle. B is between D and C. A is between E and C. F is to the right of D. Who is between A and F?
(1) B (2) C (3) D (4) E

38. A postman was returning to the post office which was in front of him to the south. When the post office was 200 metres away from him, he turned to the right and moved 100 metres to deliver the last letter at Ashiana. He then moved 50 metres in the same direction, turned to his left and moved 200 metres. How many metres was he away from the post office?
(1) 0 (2) 50
(3) 100 (4) 150

39. A watch reads 7.30. If the minute hand points west, in what direction will the hour hand point?
(1) North-West (2) North-East
(3) South-West (4) South-East

40. P is the brother of D. X is the sister of P. A is the brother of F. F is the daughter of D. M is the father of X. Who is the uncle of A?
(1) X (2) P
(3) F (4) M

ANSWERS AND EXPLANATIONS

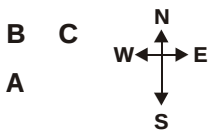
1. (2)	2. (1)	3. (3)	4. (2)
5. (4)	6. (2)	7. (3)	8. (4)
9. (4)	10. (4)	11. (4)	12. (2)
13. (2)			

14. (1) Apply BODMAS:
$16 + 24 \div 8 - 6 \div 2 \times 3 = 16 + 3 - 3 \times 3 = 10$

15. (2)
16. *to 19. The letters have a relationship with the letters in alphabet.*
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
16. (3) Letter in the word and code letter have a gap of 4.
17. (4) The letters of the word are in reverse order.
18. (1) Letters 1, 3, 5 ... have the next third letter as code and the remaining, third letter towards A.
19. (3) Code letters occupy the same place from Z.
20. (4)
21. (3) All the others are prime numbers.
22. (4) All the other numbers are cubes of certain numbers, 5^3; 7^3; 9^3.
23. (1) Other numbers are not divisible by any other number.
24. (1) All the other numbers are divisible by 3.
25. (1) The digits of all the other numbers add up to 10, *i.e.* 4 + 4 + 2 = 10; 5 + 2 + 3 = 10 and 6 + 3 + 1 = 10.

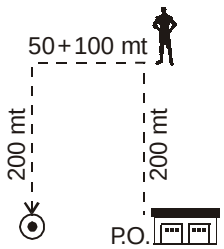
26. (1) 27. (4) 28. (3) 29. (1)
30. (2) 31. (3) 32. (1) 33. (4)
34. (2) 35. (3)

36. (2)

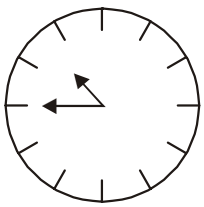


37. (4)

38. (4)



39. (1)



40. (2)