

Section-I

1. How much per cent is 15 of 75?
2. How much is subtracted from 21.049, so that it will remain 9.2603?
3. Sunita earns Rs.1500 in 10 days, then how much she will earn in 30 days?
4. What will be the next two-digit numbers for the blanks to continue the series?
(i) 3, 5, 8, 12,....
(ii) 1, 2, 4, 8,
5. Sonia pays rent Rs.7500 for 3 months. If the rate of rent remains the same, then how much rent she will pay for one complete year?
6. What will be of $\frac{3}{8}$ of $1\frac{2}{3}$?
7. Write the following in descending order :
4.012, 40.12, .4012, 4.210
8. What is the value of $-4\frac{1}{2} + 2\frac{1}{2} + \frac{1}{2}$
9. Find the volume of a cube in cubic metres, whose one side is 75 cms.
10. In triangle ABC, $AB = AC$ and $\angle B = 40^\circ$, then find the values of other two angles.
- 11) Divide 345.45 in the given ratio
 $1\frac{1}{2} : 1\frac{1}{3} : 1\frac{1}{4}$
12. Train travel the speed $22\frac{1}{2}$ meter minutes per second into kilometres per hour.

13. The area of a plot is 6000 sq, metres. If the ratio of its length and breadth is 12 : 5, then find the length of its diagonal.
14. The ratio of two acute angles of a right –angled triangle is 4:5, then find the value of the both acute angles.
15. A number is multiplied by $\frac{3}{2}$. How much percent the obtained number is increased?
16. Find square of: $1\frac{1}{4} - 2\frac{1}{7} + 3\frac{1}{2} - 1\frac{6}{7}$
17. The weight of 25 bags of rice is 876.5 kg, then find the weight of one bag of rice.
18. Vimla scored 70% marks in an examination. If she obtained 280 marks in the examination, then find the maximum marks of the examination.
19. Fill up the blanks :
(i) $0 \div 10 = \dots\dots\dots$
(ii) if $\frac{1}{25} = 0.04$ then $\frac{17}{25} = \dots\dots\dots$
20. Find Highest Common Factor of 320, 48, 1500.
- 21 There is a ration of 65 days for 84 men. How many men should go out so that the ration may last for 78 days?
22. The average age of a class of 30 students is 13 years. The average age of 18 students out of them is 15 years. Find the average age the remaining students.

23. Find the smallest number which, when divided by 3, 5, 12, 15 has in each case 2 as a remainder.

24. Write true or false :

(i) Two sides of an equilateral triangle are equal.

(ii) 21.07 is less than 50.06.

(iii) The volume of one litre milk is equal to 100 cubic centimetres.

(iv) The radii of concentric circles are equal.

(v) All the sides of a regular hexagon are equal.

25. Roshni can row a boat at the rate 3 kms/hour in still water. If the speed of the stream is 2 kms/hour, then in how much time she will complete the distance of 5 kms against the stream?

26. What will be the simple interest on Rs.462.50 for $3\frac{1}{2}$ years at the rate of 4% per annum? Also find the total amount.

27. Draw a circle of diameter 8 cms. with the help of a compass and express :

(i) Its radius OP, where O is the centre of the circle and P is any point on its circumference,

(ii) Construct an angle of 60° at its centre.

(iii) Construct the minor segment of the circle.

28. On selling an article for Rs. 75, Alka loses $6\frac{3}{4}\%$, then find the cost price of the article.

29. A person travelling by a train, crosses a tunnel in $4\frac{1}{2}$ minutes. If the speed of the train is 36 kms per hour, then find the length of the tunnel.

30. A rectangular field is 38 m 5 dm long and 21 m 5 dm wide. How much would be the cost of fencing around the field at the rate of Rs.15.50 per metre?

PART-B : LANGUAGE ABILITY

Write an essay on any one of the following:

(a) The Problem of Nutrition in India

(b) The Problem of Unemployment

c) Population Explosion in India.

2. Read the following passage and answer the questions that follow: Newton was born in 1642 at Woolsthorpe in England. His father, a farmer, had died before Newton was born. Newton's mother was an intelligent lady. Newton had great affection and regard for his mother. As a boy, he was greatly interested in scientific experiments. He loved to play with mechanical toys and loved to make and fly kites. He invented a small windmill in his childhood. He often watched the stars and made a number of sundials. Immediately after joining college, Newton began to work on the problems that made him so famous. He made many discoveries and inventions. He was a great

scholar and genius. Many scientists were inspired by him.

(a) What did Newton invent as a young child?

(b) In what kind of things was Newton interested as a boy?

(c) What are sundials?

(d) How did Newton influence other scientists?

(e) Give the meaning of each of the following words as used in the passage-(1) Regard (2) Scholar (3) Genius.

3. Fill in the blanks by selecting the correct word:

(a) He is glad to see you in such a good health. (very, most)

(b) It is necessary to have trust God. (in, on)

(c).....I could sing, I would have sung. (until, if)

(d) I sent him a letter but he had left the place. (already, before)

(e) I met him last year and have not seen him ever (thereafter, since)

(f) He was..... tired to walk. (so, too)

(g) I was troubled by the news. (much, very)

(h) I am glad to see you.

(very, too)

(i) The work isfinished. (near, nearly)

6) We have food for a weak.

(much, enough)

4. Make meaningful sentences from words written below:

(a) correct, of, neither, is, them

(b) studious, I, more, he, than, is

(c) go, home, we, immediately, shall

(d) us, running, they, away, saw

(e) paintings, are, these, whose ?

5. Make a sentence each with the given words.

(a) Quarrel (b) Cheat

(c) Praise (d) Blame

(e) Deserve

6. Correct the following sentences :

(a) The cattles were going to the fields.

(b) One of my sister is a Ph.D.

(c) They enjoyed during the picnic.

(d) Whor do you think has torn this book?

(e) It was me who addressed the gathering in the playground.

7. Fill in the blanks with appropriate prepositions.

(a) He is very good drawing.

(at, in)

(b) She wanted to sit me.

(besides, beside)

(c) The two brothers shared the cake

themselves. (between, among)

(d) Gandhi ji had great love his country. (for, to)

(e) She wants to withdraw the contest.

(of, from)

8. Do as directed-

(a) He failed in the examination.

(change into negative)

(b) He informed me that his friends had arrived.

(change into simple sentence)

(c) Smoking is not harmless for health.

(change into affirmative)

(d) No one in his family is as tall as he is.

(change into superlative degree)

(e) Although she is thin, she is healthy.

(change into compound)

9. Make sentences in order to bring out the difference between each pair of words in the following:

(a) Ancient, Old (b) Artiste, Artisan

(c) Cheat, Deceive (d) Doubt, Suspect

(e) Hear, Listen

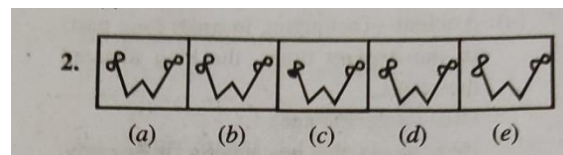
PAPER-II INTELLIGENCE TEST

Directions (Q. 1 to 8): In each of these questions, four of the five options (a), (b), (c), (d) and (e) are alike in a certain way, but one of the rest is different from others. Find the different one.

1. (a) R5A1T6 (b) B2A1D4

(c) C3E5A1 (d) H8B2D4

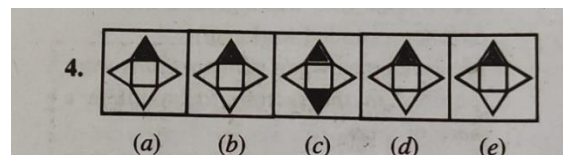
(e) E5G7G7



3. (a) 7(b) 21

(c) 29 (d) 490

(e) 105



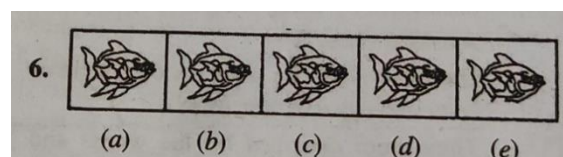
5. (a) Open and Close

(b) Hate and Dislike

(c) Rise and Sleep

(d) Go and Come

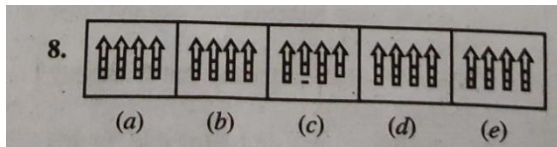
(e) Friend and Enemy



7. (a) 1 (b) 8

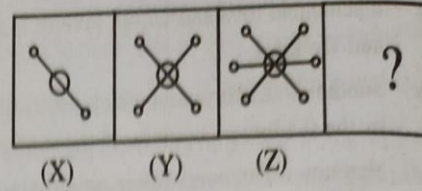
(c) 26 (d) 64

(e) 125

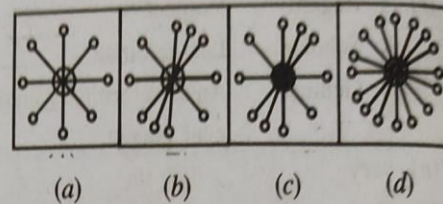


Directions (Q. 9 to 12): In each of these questions, problem figures are given in two units. (X), (Y) and (Z) and problem figures while (a), (b), (c), (d) are answer figures. There is some relation between (X) and (Y). The same relation exists between (Z) and one of the answer figures. Find correct answer figure.

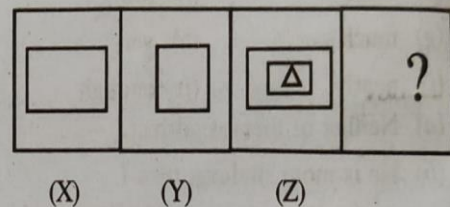
9. Problem figure



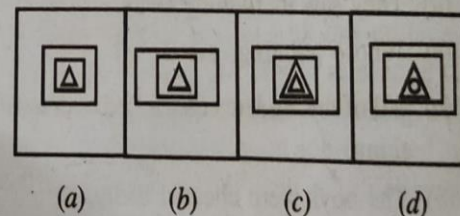
Answer figure



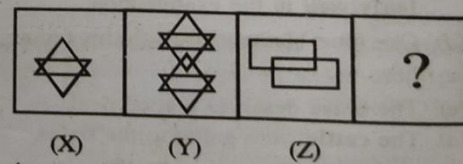
10. Problem figure



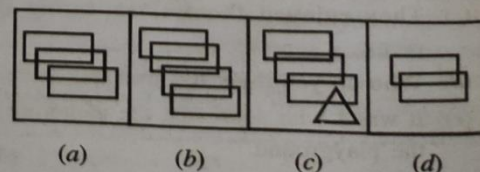
Answer figure



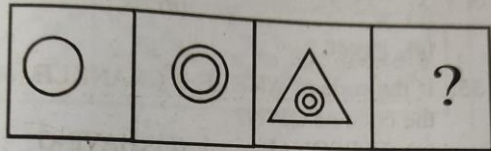
11. Problem figure



Answer figure

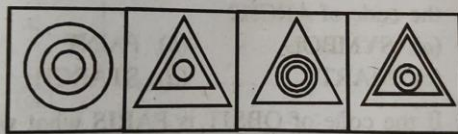


12. Problem figure



(X) (Y) (Z)

Answer figure



(a) (b) (c) (d)

Directions (Q. 13 to 16): Find the correct answer.

13. 'Wood' is related to 'Table' in the same way..... is related to Coat':

(a) Shirt (b) Wear

(c) Pantaloon (d) Cloth

14. 'Boy' is related to 'Girl' in the same way
'Nephew' is related to:

(a) Uncle (b) Niece

(c) Brother-in-law (d) Aunt

15. 'Fish' is related to 'Bird' in the same way
'Submarine' is related to :

(a) Ship (b) Train

(c) Aeroplane (d) car

16. 'Uncle' is related to 'Aunt' in the same way
'Cock' is related to :

(a) Bird (b) Hen

(c) Chicken (d) Duck

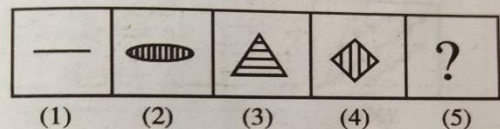
Direction (Q. 17 to 24): In each of the following questions complete the series.

17. B, D, G, K,

(a) P (b) A

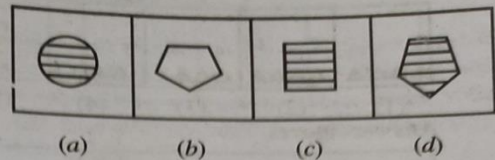
(c) O (d) N

18. Problem figures



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

Answer figures



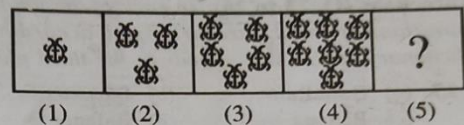
(a) (b) (c) (d)

19. 1243, 2354, 3465

(a) 4576 (b) 4675

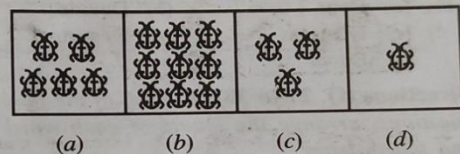
(c) 4796 (d) 4367

20. Problem figures



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

Answer figures

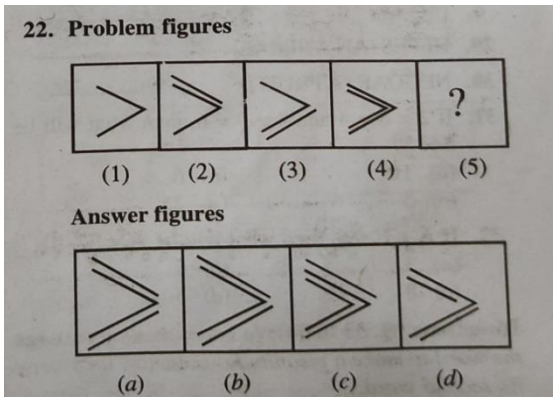


(a) (b) (c) (d)

21. 246, 357, 468, 579,

(a) 579 (b) 680

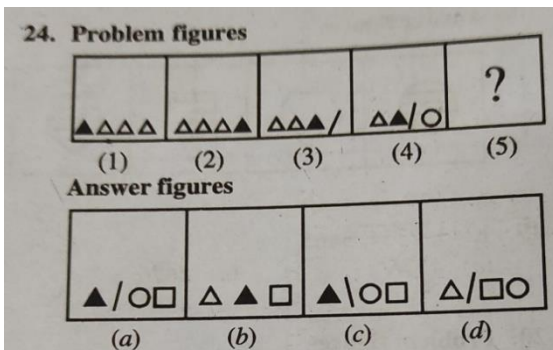
(c) 678 (d) 459



23, A/2, 4/C, FB.....

(a) B/G (b) B/K

(c) 7/G (d) 3/8



Directions (Q. 25 to 26): In each of the following questions if words are arranged according to dictionary, which will appear in the third place?

25. (a) Battalian (b) Barrister

(c) Banana (d) Balance

(e) Bachelor

26. (a) Dear (b) Decide

(c) Diagram (d) Departure

(e) Dawn

Directions (Q. 27 to 30): In each of the following questions, arrange the letters of each word then find fourth letter.

27. ENKAL (A BODY PART).....

28. HCDNGRHAIA (A UNION TERRITORY).....

29. HEPES (AN ANIMAL).....

30. NEGOAR (A FRUIT).....

31. If $2 \times 8 = 4$ and $4 \times 9 = 6$, then what will be 5×5 ?

(a) 10 (b) 6

(c) 5 (d) 25

32. If $A + E = 6$, then what will be $A E$?

(a) 3 (b) 6

(c) 8 (d) 5

Directions (Q. 33 to 34): In each question arrange the word to make a meaningful sentence, then write its second word.

33. (a) the (b) in

(c) is (d) room

(e) he

34. (a) mango (b) this

(c) a (d) is

(e) sweet

35. If the code of ANKLE is CRANKLE, what is the code of OWN?

(a) PERSONAL (b) HAVING

(c) OWNER (d) CROWN

36. If the code of ARE is STARE, what will be the code of ARCH?

(a) SYMBOL (b) PAINT

(c) MART (d) STARCH

37. If the code of QBSJT is PARIS what will be the code of MPOEPO?

(a) KANPUR (b) LONDON

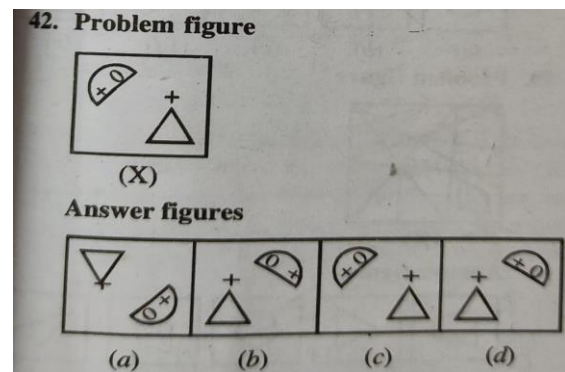
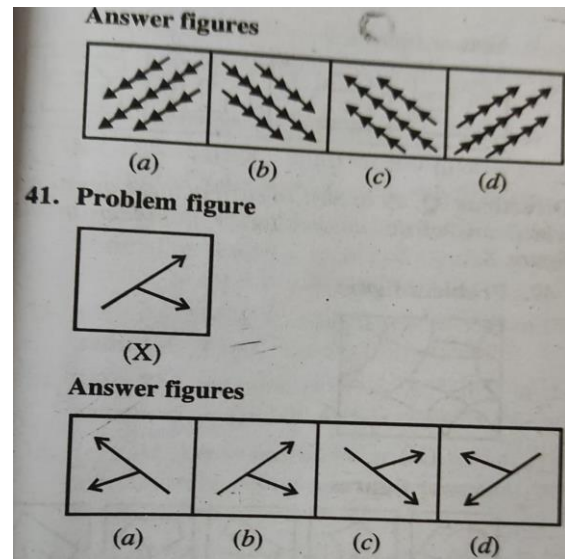
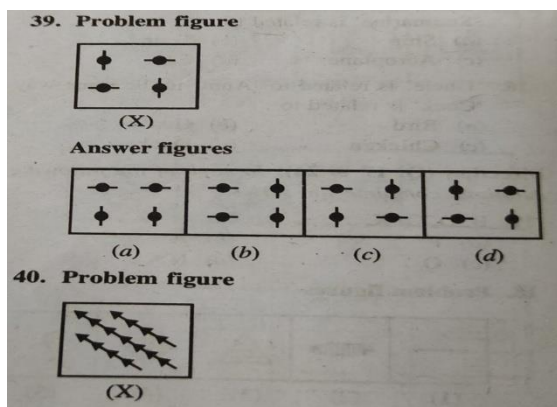
(c) MYSOREYORK (d) MOSCOW

38. If the code of STAND is TSBME, what will be the code of SLEEP?

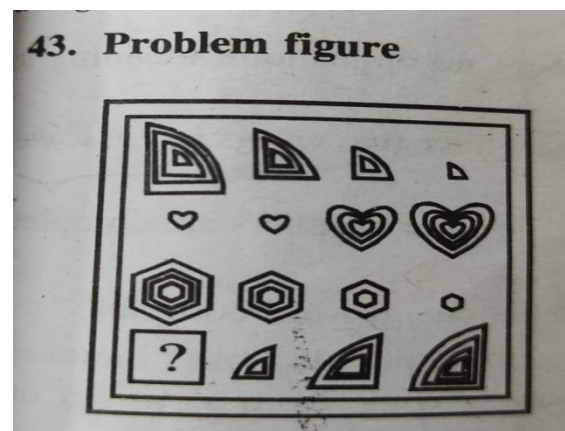
(a) MKOOS (b) TKFDQ

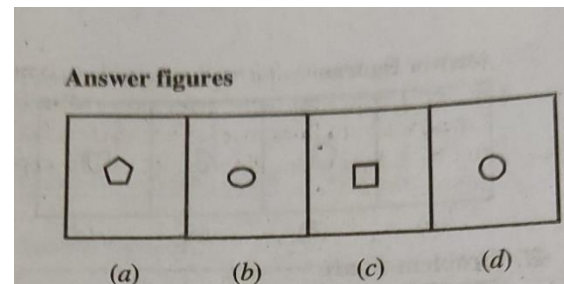
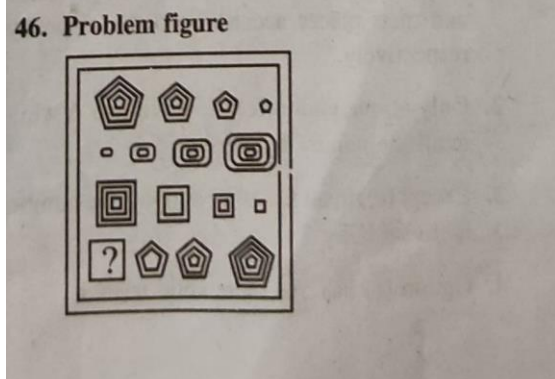
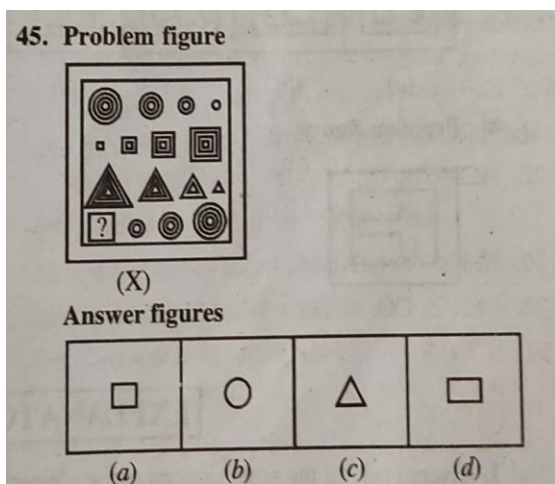
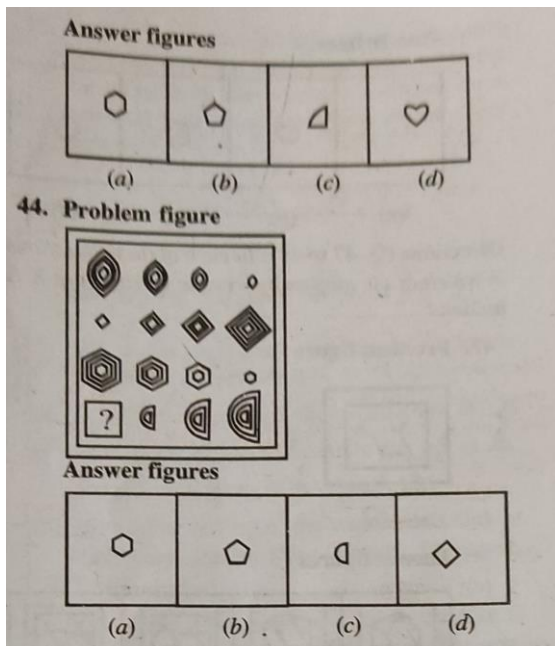
(c) FKKOS (d) RGMMB

Directions (Q. 39 to 42): In each of these questions which one of the answer figure is the mirror image of the given figure 'X'?

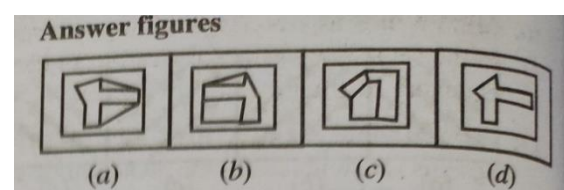
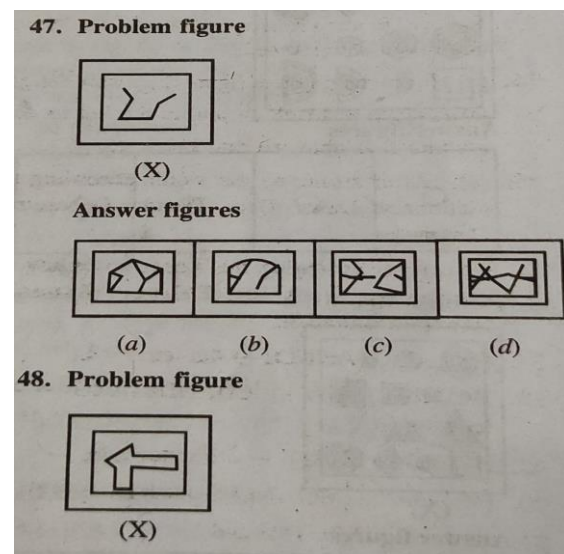


Directions (Q. 43 to 46): In each of these questions which of the answers figures will complete the given design?



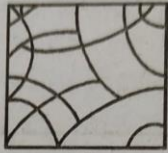


Directions (Q.47 to 48): In each of these questions in which of the answer figures the given figure X is hidden?



Directions (Q. 49 to 50): In each of these questions which one of the answer figure is hidden in the figure X?

49. Problem figure



(X)

Answer figures



(a)



(b)



(c)

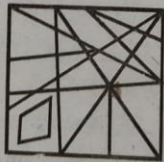


(d)



(e)

50. Problem figure



(X)

Answer figures



(a)



(b)



(c)



(d)



(e)