

## Reasoning Question & Answers

**Question 1.** Select the related word/letters/number from the given alternatives.

**Bacteria : Microscope :: Moon : ?**

- a. Night
- b. Earth
- c. Satellite
- d. Telescope

**Ans. Telescope**

**Explanation:** Bacteria can be observed through Microscope. Similarly, Telescope is used for observing the Moon.

**Question 2.** Select the related word/letters/number from the given alternatives.

**LNPR : TVXZ : NPRT : ?**

- a. FHJL

b. FLJH

c. VXZB

d. JLHF

Ans. VXZB

Explanation: LNPR -----(+8) (+8) (+8) (+8)----- TVXZ;

Similarly, NPRT-----(+8) (+8) (+8) (+8)----- VXZB;

Question 3. Select the related word/letters/number from the given alternatives.

27 : 125 : 64 : ?

a. 517

b. 162

c. 216

d. 273

**Ans. 216**

**Explanation:**  $(3)^3: (5)^3:: (4)^3: (6)^3$ ;

**Hence, the correct answer will be 216.**

**Question 4. Find the odd word/letters/number pair from the given alternatives.**

**a. Novel**

**b. Paper**

**c. Pencil**

**d. Pen**

**Ans. Novel**

**Explanation:** All except Novel are used for writing. Novel is a pre-written piece of content.

**Question 5. Find the odd word/letters/number pair from the given alternatives.**

**a. acDD**

b. egHH

c. ikLL

d. QSTt

**Ans. QSTt**

**Explanation:** All except QSTt have their first two letter in small case and later in upper case.

**Question 6. Find the odd word/letters/number pair from the given alternatives.**

a. 65 - 90

b. 73 - 97

c. 112 - 137

d. 162 - 187

**Ans. 73 – 97**

**Explanation:** All except 73 – 97 are not prime numbers. Hence, option(b.) is the correct answer.

**Question 7.** Arrange the following words as per order in the dictionary

**a. Guarantee b. Group c. Grotesque d. Guard e. Groan**

**a. a, c, e, b, d**

**b. b, e, a, d, c**

**c. b, c, e, a, d**

**d. e, c, b, a, d**

**Ans. e, c, b, a, d**

**Explanation:** The correct order of words as per the dictionary is as follows-

**Groan > Grotesque > Group > Guarantee > Guard;**

**Question 8.** Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

xy\_kx\_zk\_yzk xyz\_ \_

a. zyxxkx

b. zyxxz

c. zkxyk

d. zxykx

**Ans. zyxxkx**

**Explanation:** In the given sequential series, 'xy' is followed by 'z', 'kx' is followed by 'y', 'zk' is followed by 'x', and 'yz' is followed by 'k'. Hence, 'zyxxkx' will be the correct answer.

**Question 9.** Find the missing number in the series:

219, 211, 204, 198, ?, 189

a. 189

b. 192

c. 193

d. 196

**Ans. 193**

**Explanation:** The series in the decreasing order by  $(-8)(-7)(-6)(-5)(-4)$  and so on.

Hence, the correct answer will be  $= 198 - 5 = 193$ ;

**Question 10.** If M is the sister of Z, Z is the wife of P and P is the son of A, how Z relates to A?

a. Daughter-in-law

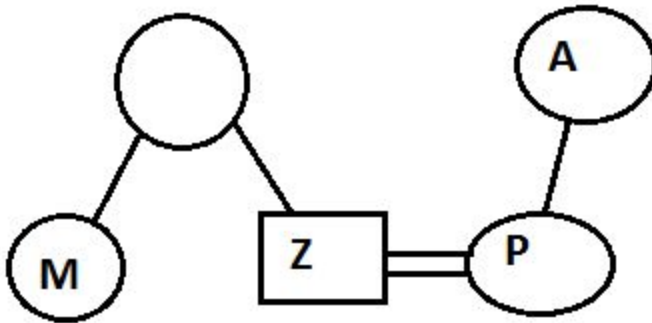
b. Daughter

c. Wife

d. Mother

**Ans. Daughter-in-law**

**Explanation:** As shown in the given figure, Z is the daughter in law of A.



**Question 11.**The sum of ages of 4 children born at intervals of 4 years each is 60.  
What is the age of the youngest child?

- a. 7
- b. 9
- c. 10
- d. 12

**Ans. 9**

**Explanation:** Let the younger child's age=  $x$  years;



$$x + (x+4) + (x+8) + (x+12)=60;$$

$$4x + 24 = 60; \Rightarrow x = 9;$$

**Question 12.** From the given alternative words, select the word which cannot be formed using the letters of the given word:

**ENVIRONMENT**

a. OINTMENT

b. MENTOR

c. VENOM

d. TRIM

**Ans. OINTMENT**

**Explanation:** There are no two 'T's in the given word. Hence, OINTMENT cannot be formed with given word.

**Question 13.** In a certain code 'CAMEL' is written as 'MFNBD'. How shall 'TIGER' be written in that code?

a. SFUJH

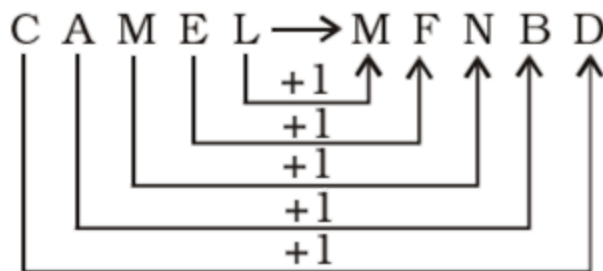
b. SFHJU

c. SFJUH

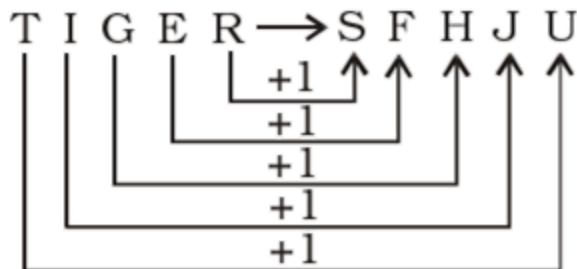
d. SHFJU

Ans. SFHJU

Explanation:



similarly,



Question 14.If x stands for  $\times$  , + means  $\div$  ,  $\div$  means  $\times$  and  $\times$  means  $\div$  , then what is the value of the given expression?

$$175 - 25 \div 5 + 2 \times 3 + 10 = ?$$

a. -13

b. 160

c. 240

d. 2370

Ans. -13

Explanation:

$$= 175 / 25 + 5 \times 2 - 3 \times 10;$$

$$= 7 + 10 - 30;$$

$$= -13;$$

Question 15.If  $4 * 2 = 3$  and  $8 * 4 = 3$  ,then  $21 * 7 = ?$

a. 4

b. 3

c. 8

d. 16

Ans. 4

Explanation:  $(4 + 2) / 2 = 3;$

$(8 + 4) / 4 = 3;$

Similarly,

$(21 + 7) / 7 = 4;$

Question 16. Select the missing numbers from the given alternatives

17	11	19
12	13	16
25	4	?

a. 9

b. 16

c. 25

d. 36|

**Ans. 9**

**Explanation: Evaluate the question column wise-**

$$(17 - 12)^2 = 25;$$

$$(11 - 13)^2 = 4;$$

$$(19 - 16)^2 = 9;$$

**Question 17.**A man walks 5 kilometre towards South and then turns to the right. After walking 3 kilometre, he turns to the left and walks 5 kilometre. Now in which direction is he from the starting point?

a. West

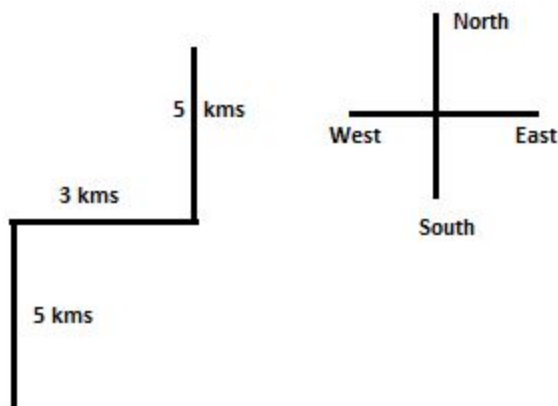
b. South

c. North-East

d. South-West

Ans. South

Explanation: From the figure stated below, we can observe that finally he will head towards South direction.



Question 18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statements: Life means stresses and strains.

**Stresses and strains have an adverse effect on life.**

**Conclusions: I. Life is not worth living.**

**II. One should avoid stresses and strains in life.**

**a. Only conclusion I follows**

**b. Only conclusion II follows**

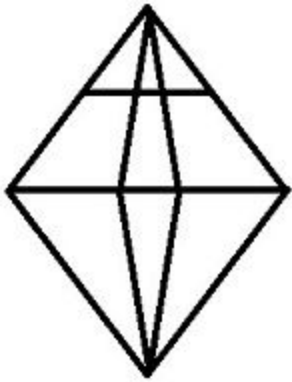
**c. Both conclusion I and conclusion II follow**

**d. Neither conclusion I nor conclusion II follows**

**Ans. Only conclusion II follows**

**Explanation: Conclusion (I) is not related to the statement and Conclusion (II) satisfies the statement. Hence, option(b.) is the correct answer to the given problem.**

**Question 19. How many triangles are there in this geometric figure?**



a. 12

b. 16

c. 18

d. 20

**Ans. 18**

**Explanation:** By counting the triangles, we can observe that there are 18 triangles in the given figure.

**Question 20.** Which of the answer figures best indicates the relationship between:

**Doctors, Nurses, Hospital**

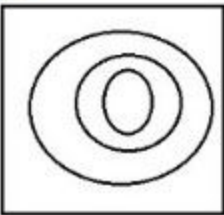


Options:

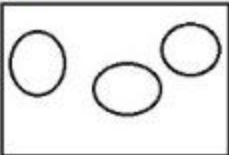
1)



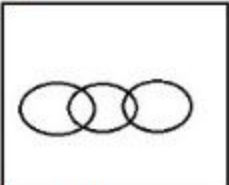
2)



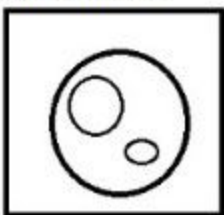
3)



4)

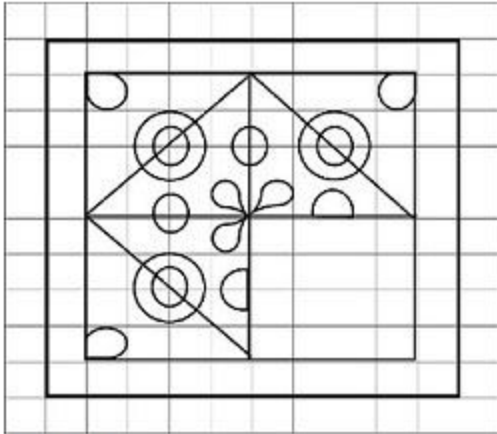


Correct Answer:



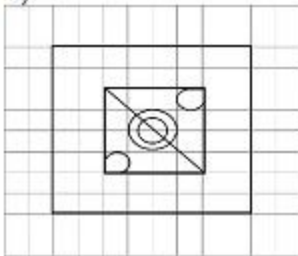
**Explanation:** Doctors and Nurses work in a hospital. Hence, Option(a.) will be the suitable figure to represent the entities.

Question 21. Which answer figure will complete the pattern in the question figure?

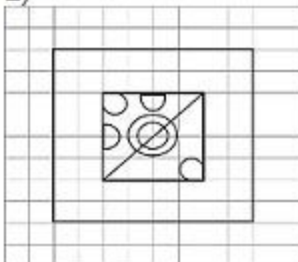


Options:

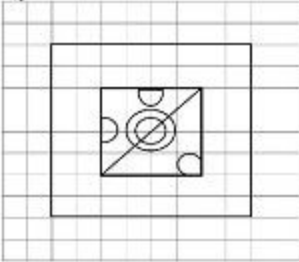
1)



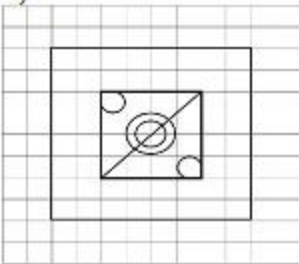
2)



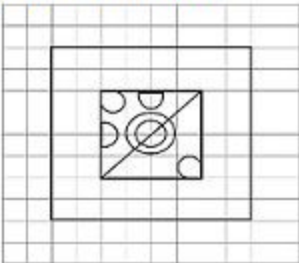
3)



4)



**Correct Answer:**



**Explanation:** The answer figure will be the reflection of the image given in the second quadrant. Hence, option(2.) will be the right answer.

**Question 22.** From the given answer figures, select the one in which the question figure is hidden/embedded

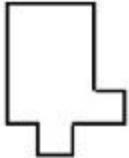


Options:

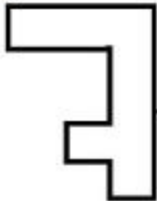
1)



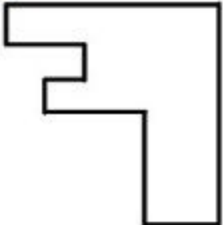
2)



3)



4)

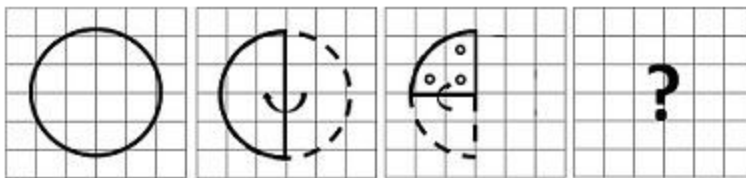


Correct Answer:



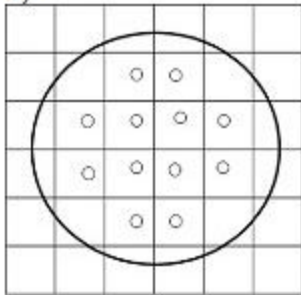
**Explanation:** Superimpose the problem figure on each option's image. Hence, option(4.) will be the right answer.

**Question 23.** A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

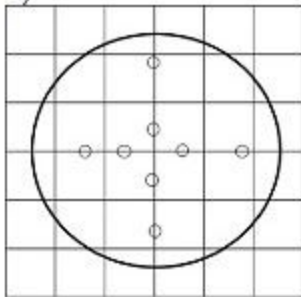


**Options:**

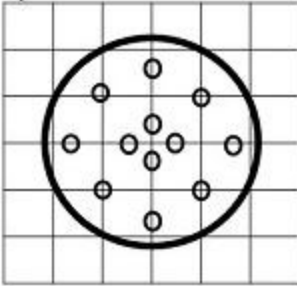
1)



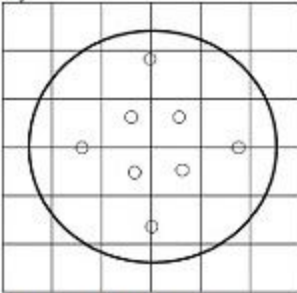
2)



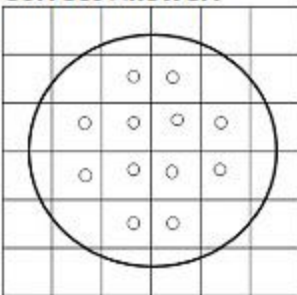
3)



4)

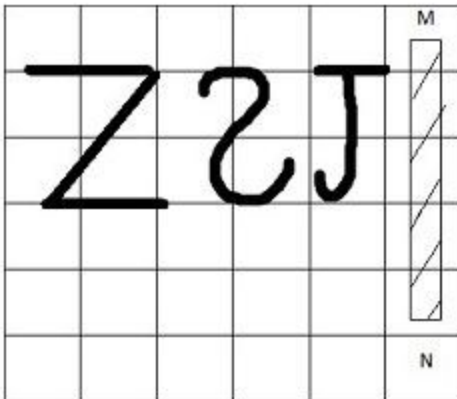


**Correct Answer:**



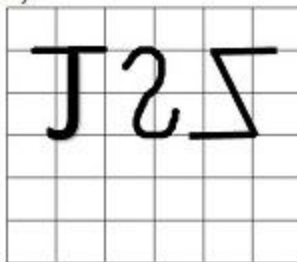
**Explanation:** If you reverse the punching process, then you will find that the right answer will be option (1).

**Question 24.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

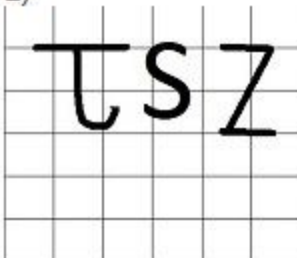


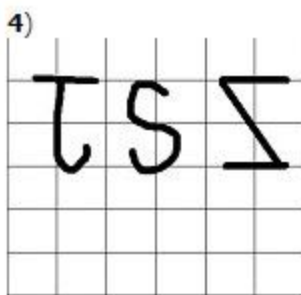
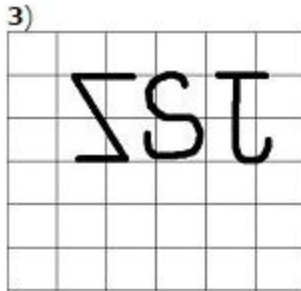
Options:

1)

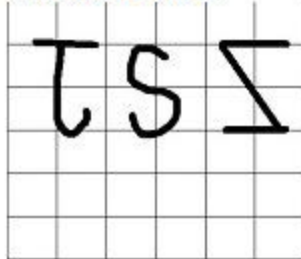


2)





Correct Answer:



**Explanation:** in mirror image, object is inverted by 180 degrees. Hence, option (4.) is the correct answer.

**Question 25.** In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its



row and next by its column, e.g., 'G' can be represented by 01 and 'P' can be represented by 10, 44, etc. Similarly you have to identify the set for the word 'BARK'

	0	1	2	3	4		5	6	7	8	9
0	K	G	E	A	S	5	A	H	U	W	N
1	P	V	H	R	Y	6	Y	R	B	T	V
2	N	U	N	R	K	7	O	I	H	B	Q
3	W	S	B	O	J	8	V	O	E	I	S
4	T	U	A	I	P	9	E	T	K	W	P

a. 32, 55, 69, 24

b. 32, 03, 66, 57

c. 67, 42, 66, 00

d. 23, 30, 66, 97

Ans. 67, 42, 66, 00

Explanation: Let us find all coding of the word BARK.

B= 67, 78;

A= 03, 42;

**R= 13, 23;**

**K= 24, 00;**

**Hence, the correct answer among the given options will be option (c).**