Mental Ability Previous Questions

Question 1.Select the related word/letters/numbers from the given alternatives:

Owl : Hoots :: Hen : ?

a. Chirps

b. Clucks

c. Coos

d. Cackles

Ans. Clucks

Explanation: 'Hoots' is the sound name made by owl generally. Similarly, Hen make guttural sound or 'Clucks'. Hence, option (b.) is the correct option.

Question 2.Select the related word/letters/numbers from the given alternatives:

AKU : ? :: CMW : DNX

a. BGL

b. BLQ

c. BGQ

d. BLV

Ans. BLV

Explanation: Deriving relationship from the RHS couplet, every letter is incremented by (+1) in the series.

CMW ------(+1)(+1)(+1)-------------> DNX;

Similarly, AKU ------(+1)(+1)(+1)-------------> BLV;

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

5 : 100 :: 7 : ?

a. 49

b. 196

c. 91

d. 135

Ans. 196

Explanation: $(5)^2 = 25 * 4 = 100$;

Similarly, $(7)^2 = 49 * 4 = 196$;

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

a. Time

b. Skill

c. Interest

d. Knowledge

Ans. Time

Explanation: All except time are dependent upon person. Time is an independent quantity of all.

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

a. CPA

b. REB

c. QUD

d. AOT

Ans. CPA

Explanation: All except CPA contains vowels in their middle. Hence, CPA is the odd among others.

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

a. 15 - 21

b. 32 - 41

c. 22 - 27

d. 31 - 35

Ans. 15 – 21

Explanation: All except (15-21) are not divisible by a same number i.e. 3. Hence, the most appropriate answer for this problem is option (a.).

Question 7.Arrange the following words as per order in the dictionary and then choose the one, which comes last.

1. Qualify 2.Quarter 3. Quarrel 4.Quaver

a. Qualify

b. Quarter

c. Quarrel

d. Quaver

Ans. Quaver

Explanation: The order of these words in the English dictionary is as follows-

Qualify > Quarrel > Quarter > Quaver.

Hence, option (d.) is the correct answer.

Question 8.A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

DF, GJ, KM, NQ, RT, ?

a. EI

b. UX

c. UV

d. XY

Ans. UX

Explanation: The series progresses in the following pattern-

D(E)F ---G (HI)J -----K(L)M--------N(OP)Q-------R(S)T --------U(VW)X;

Hence, option (b.) is the correct answer.

Question 9.A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

2, 7, 14, 23, 34, ?

a. 47

b. 39

c. 42

d. 46

Ans. 47

Explanation: The series is incremented with the consecutive odd numbers started from 5. Hence, the required answer will be= 34 + 13 = 47.

Question 10. A and B are standing at place "P". They start moving in the opposite directions at the speed of 5 kmph and 4 kmph respectively. What will be the distance between them after 3 hours?

a. 3 kms

b. 21 kms

c. 18 kms

d. 27 kms

Ans. 27 kms

Explanation: Their relative speed in opposite direction = 5 + 4 = 9 kmph;

The distance covered in 3 hours = speed * time = 9 * 3 = 27 kms;

Question 11.If Usha is taller than Nisha; Nisha is taller than Asha; Alka is taller then Usha. Harsha is shorter than Asha; then who among them is the tallest?

a. Usha

b. Alka

c. Nisha

d. Asha

Ans. Alka

Explanation: Interpreting the above conditions in appropriate way-

Usha > Nisha;

Nisha > Asha;

Alka > Usha;

Harsha < Asha;

Combining all above conditions, we get the following sequence-

Alka > Usha > Nisha > Asha > Harsha.

Hence, Alka is the tallest among others.

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

DHARAMSALA

a. MASALA

b. ARAMANA

c. RAMA

d. SAHARA

Ans. ARAMANA

Explanation: The given word does not alphabet 'N'. Hence, Option (b.) is the appropriate answer to the referenced problem.

Question 13.If in a code GONE is written as ILPB then how may CRIB be written in that code?

a. EUKY

b. EKUY

c. EYUK

d. EOKY

Ans. EOKY

Explanation: GONE --------(+2)(-3)(+2)(-3) ------> ILPB;

CRIB --------(+2)(-3)(+2)(-3) ------> EOKY;

Q 14: In a certain code language, @ represents +, ⊕ represents '−', α represents '÷' and '⊖' represents 'x'. Find out the answer to the following question.

107 ⊖ 3 ⊕ 64 α 8 ⊕ 2 ⊖ 9 = ?

a. 295
b. 290
c. 209
d. 105
Ans. 295
Explanation:
= 107 x 3 − 64 / 8 − 2 x 9;
= 321 − 8 − 18 = 295;

Question 15. If 12 x16 = 188 and 14 x18 = 248, then find the value of 16 x20 = ?

a. 320

b. 360

c. 316

d. 318

Ans. 316

Explanation: 12 x 16 = 192 – 4 = 188;

14 x 18 = 252 – 4 = 248;

Similarly, 16 x 20 = 320 -4 = 316;

Question 16. Find the missing number from the given alternatives.
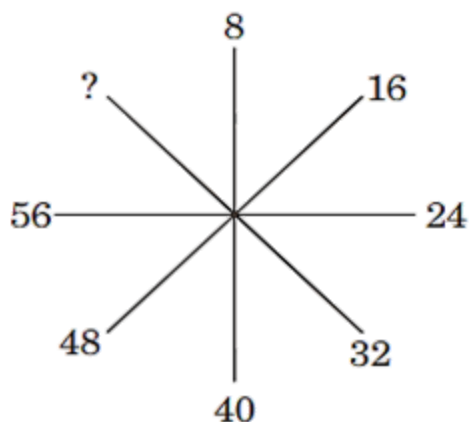
a. 60

b. 62

c. 64

d. 66

Ans. 64

Explanation: The numbers in clockwise direction are the consecutive multiple of 8. Hence, the required number will be 8*8 = 64;

Question 17.One morning, Raju walked towards the sun. After some time he turned left and again to his left. Which direction is he facing?

a. North

b. South

c. East

d. West

Ans. West

Explanation: Initially, Raju is heading towards East direction. He turned to the left and now he is heading towards North. He turned again to his left. Now, he will be in West direction.

Question 18.One or two statements are given followed by two conclusions/assumptions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer.

Statements: 1. If people are intelligent, they should be creative.

Assumptions:

I. Creativity and intelligence are related.

II. Creative people are intelligent.

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. Both conclusion I and conclusion II follow

Explanation: In the statement, it is clear that intelligence and creativity are co-related with each other positively. Hence, option (c.) is the correct answer.

Question 19. How many rectangles are there in the given figure?
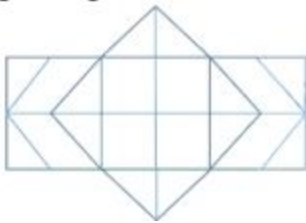
a. 8

b. 15

c. 24

d. 30

Ans. 30

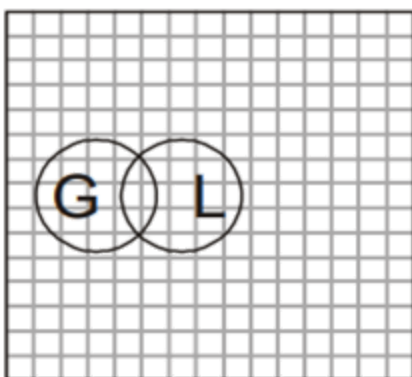**Explanation:** After counting the rectangle, the answer will be 30.

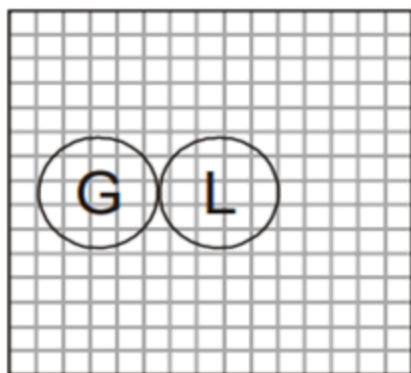**Question 20.** In a village some of the goldsmiths are literates. Which diagram shows literate goldsmiths?
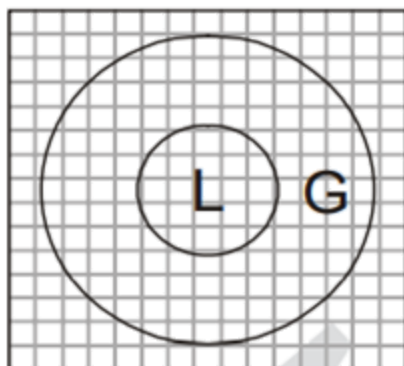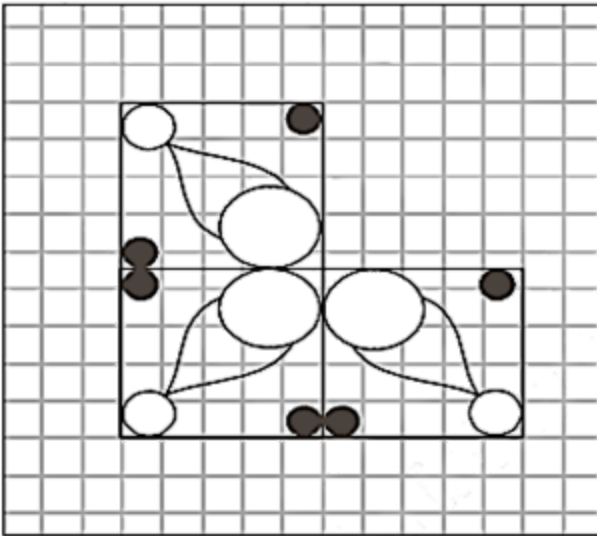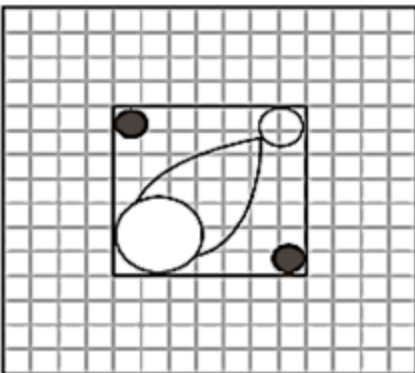
a.
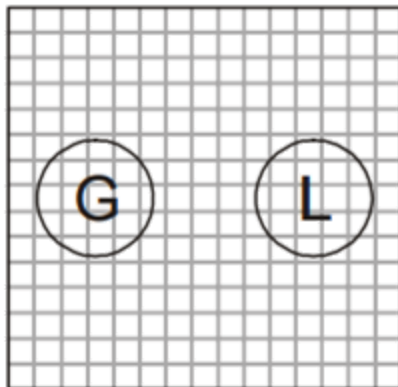
b.

c.

d.

Ans. b.

Explanation: It is clearly understood that if some goldsmiths are literate, then others are illiterate. Hence, option (b.) better represent this axiom.

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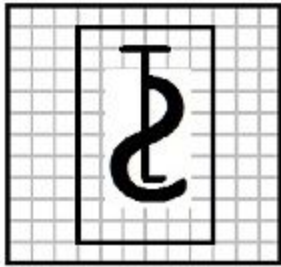

a.

b.
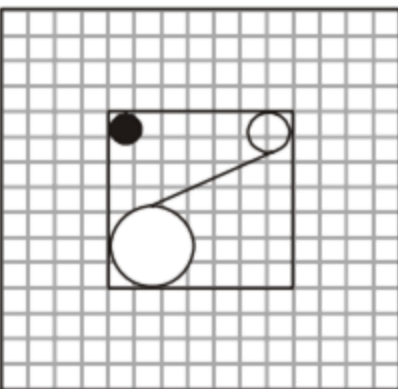
c.
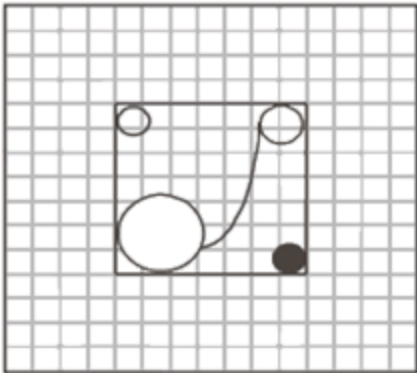
d.
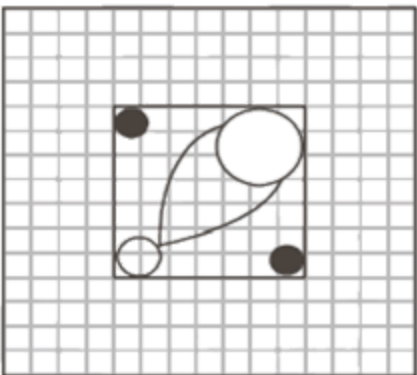
Ans. a.

Explanation: By reversing the figure which falls in the third quadrant, we can find the right solution i.e. option (a.).
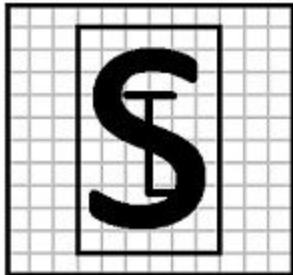
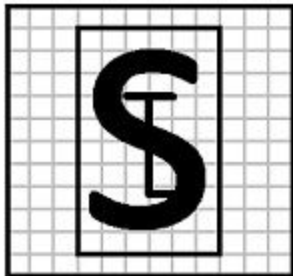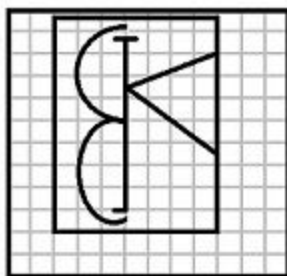Question 22.From the given answer figures, select the one in which the question figure is hidden/embedded.
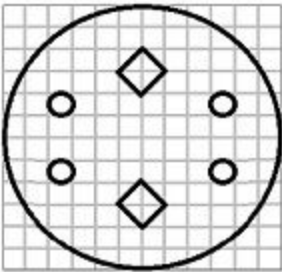

a.

b.

c.

d.
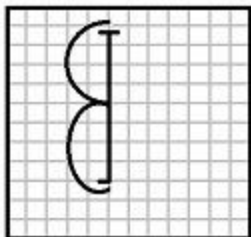
Ans. d.

Explanation: By superimposing the problem figure on each option. Hence, option (d.) will be the correct answer.
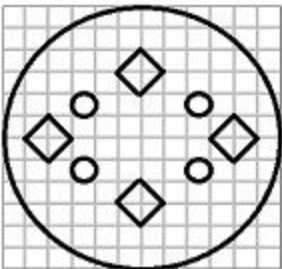
Question 23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.
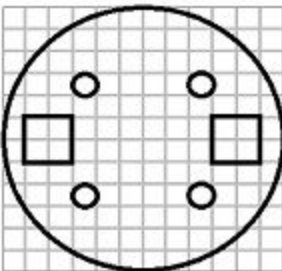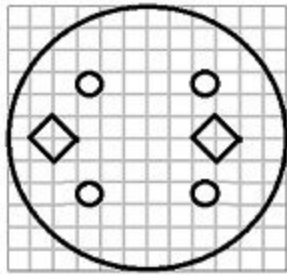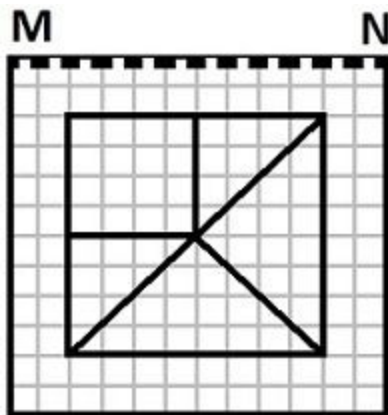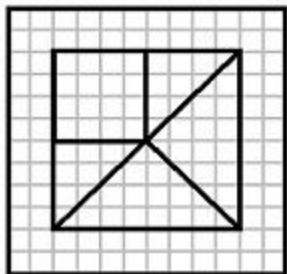

a.

b.

c.

d.

Ans. d.

Explanation: by reversing the process after punching, we will get the final shape as depicted in option(d.).
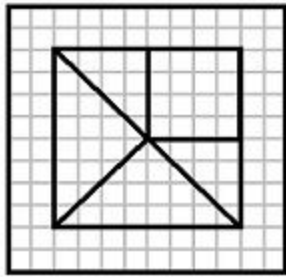
Question 24.If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?
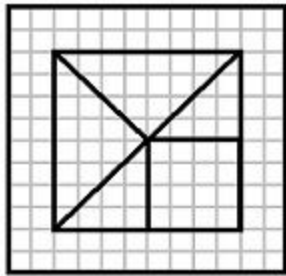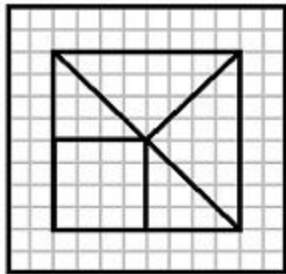

a.

b.

c.

d.

Ans. d.

Explanation: The glass image is always 180 degrees inverted through the mirror. Hence, option(d.) is the most appropriate answer.

Question 25. In this question, the sets of numbers given in the alternatives are represented. 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., O can be represented by 03,11, etc., and 'F' can be represented by 55, 68, etc. Similarly you have to identify the set for the word 'BEAD'.

MATRIX I	0	1	2	3	4
0	I	E	A	O	U
1	A	O	U	I	E
2	E	I	O	U	A
3	O	U	E	A	I
4	U	A	I	E	O

MATRIX II	5	6	7	8	9
5	F	D	B	G	H
6	B	G	H	F	D
7	D	F	G	H	B
8	G	H	D	B	F
9	H	B	F	G	D

a. 97, 32, 14, 56

b. 88, 41, 20, 57

c. 57, 32, 41, 87

d. 75, 14, 20, 57

Ans. 57, 32, 41, 87

Explanation:

Let us find all possible combinations for the word BEAD.

B = 57, 65, 79, 88, 96;

E = 01, 14, 20, 32, 43;

A = 02, 10, 24, 33, 41;

D = 56, 69, 75, 87, 99;

From this number combinations, we can conclude that option(c.) is the most appropriate answer to this.