Reasoning Question & Answers

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

Electric Current : Ampere :: Weight : ?

a.Scale

b.Kilogram

c.Commodity

d.Measurement

Ans. Kilogram

Explanation:- second is the measurement unit of the first. Weight is measured in kilograms. Hence, option(b.) is the correct answer.

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

ACXZ : BDWY :: CEVX : ?

a.DFUZ

b.DFUW

c.DGUW

d.DFUV

Ans. DFUW

Explanation:- Second string is obtained in (+1)(+1)(-1)(-1) manner. Hence, the corresponding string for CEVX will be DFUW.

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

37 : 65 :: 50 : ?

a.75

b.79

c.82

d.87

Ans. 82

Explanation:- 37= 6*6+1; 65= 8*8+1; 50 = 7*7+1; since, the squared number is +2 from the previous squared number. Hence, the required number= 9*9+1=82.

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

a.Thermometer

b.Barometer

c.Diameter

d.Hygrometer

Ans. Diameter

Explanation:- All except diameter are the instrument to measure the physical quantities.

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

a.JF

b.UQ

c.PL

d.XS

Ans. XS

Explanation:- In the above options, second character is (-4) from the first character.

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

a.46-52

b.56-62

c.66-72

d.76-84

Ans. 76-84

Explanation:- The difference between the pairs of numbers is 6 except 76-84, which is 8.

7. Arrange the following words as per their order in the dictionary

1. Embody
2. Embrace
3. Embitter
4. Emblem
5. Embroidery

a.3, 4, 2, 5, 1

b.4, 2, 5, 1, 3

c.4, 1, 2, 5, 3

d.3, 4, 1, 2, 5

Ans. 3, 4, 1, 2, 5

Explanation:- The word will be in the following order in the English dictionary-

Embitter> Emblem> Embody> Embrace> Embroidery.

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

CBA, FED, IHG, LKJ, ?

a.PRT

b.VUT

c.ONM

d.ZYX

Ans. ONM

Explanation:- if we reverse the order of each string in the problem series, then-

ABC, DEF, GHI, JKL, MNO; hence, the correct answer will be ONM.

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

6, 12, 36, 144, 720, 4320, ?

a.30420

b.30240

c.31240

d.32240

Ans. 30240

Explanation:- The series is a result of successive multiplication of 3, 4, 5, and 6 with the previous number. Hence, the required number will be 4320*7= 30240.

10. Introducing a woman, a man said "Her mother is the only daughter of my mother-in-law". How is the man related to the woman?

a.Son

b.Brother

c.Husband

d.Father

Ans. Father

Explanation:- Considering the statement, the pointed woman's mother will be his wife. Hence, the relationship between man and the woman will be as Father-Daughter.

11.Five children are standing in a row. O is third from M who is standing left of N, and P is on the left of Q who is second from N. What is the position of P from right?

a.Third

b.First

c.Fourth

d.Second

Ans. Second

Explanation:- Consider the standing order for each children as shown in the following table, the position of P will be second from right.

N	M	Q	P	O

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

INTELLIGENCE

a.GENTLE

b.TEEN

c.GREEN

d.ENGINE

Ans. GREEN

Explanation:- The given word does not contain letter 'R'. hence, option(d.) will be the correct answer.

13. If "GOAT" is coded as "HPBU", then how will "FROG" be coded as?

a.GSPH

b.PHSG

c.GSHP

d.PSHG

Ans. GSPH

Explanation:- GOAT -------(+1) (+1) (+1) (+1)-------- HPBU;

Hence, FROG----------(+1) (+1) (+1) (+1)---------- GSPH;

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

$8900\alpha100\oplus5\theta4\oplus121\alpha11 = ?$

a.58

b.62

c.158

d.205

Explanation:- substitute the symbols with their corresponding mathematical operands, we get-

= 8900α100⊕504⊖121α11;

= 8900 / 100 – 5 x 4 – 121 /11;

= 89 – 20 – 11= 58.

15. Some equations are solved on the basis of a certain system. On the same basis, find out the correct answer from amongst the four alternatives to the unsolved equation

$1 \times 2 \times 3 = 231$

$3 \times 4 \times 5 = 453$

$5 \times 6 \times 7 = ?$

a.657

b.675

c.756

d.765

Ans. 675

Explanation:- By the given condition, we can infer that the answer is the combination of (II)(III)(I) positioned numbers. Hence, 5 x 6 x 7 = 675;

16. Select the missing numbers from the given alternatives-

a.12

b.18

c.20

d.87

Ans. 87

Explanation:- 24 + 20 - 8= 36; 15 + 11 -8= 18;   55 + 40 -8= 87.

17. Rajneesh started walking towards North. He took a left turn after walking 20 metres. He again took a right turn after walking 30 metres. Which direction is he facing now?

a.North

b.East

c.West

d.South

Ans. North

Explanation:- If Rajneesh initially headed towards North and turn left & then right. Hence, he is in the initial direction, which in North.

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:

1. All books are trees.
2. All trees are lions.

Conclusions:

1. All books are lions.
2. All lions are books.
3. All trees are books
4. Some lions are books.

    a.Only conclusions I and III follow

    b.Only conclusions I and IV follow

    c.None of the conclusions follow

    d.All conclusions follow

Ans. Only conclusions I and IV follow.

Explanation:- It is evident from the given figure that only I and IV conclusions follow.

19. In the given cube, which color is opposite to Blue?
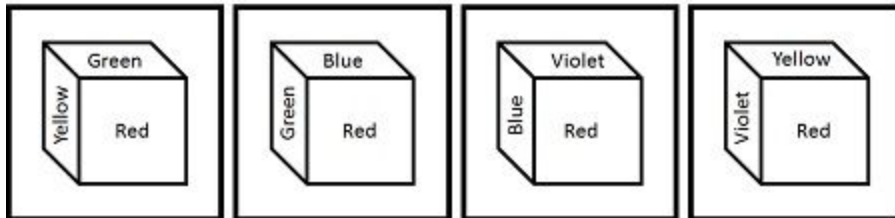
a.Green

b.Red

c.Violet

d.Yellow

Ans. Yellow

Explanation:- The Dice is rotated anti-clockwise, while assigning color to them. The opposite color to the Blue will be the next second figure, which is Yellow.

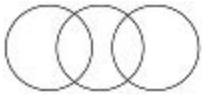20. Identify the relationship that best represents the relationship among classes given below:

Professors, Women and Clerks

1)

2)
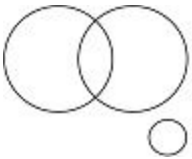
3)

4)
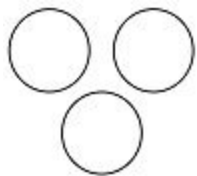
Ans. 3

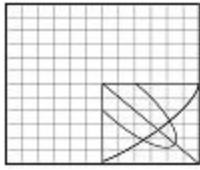Explanation:- A woman can be professor or clerk. However, A professor cannot be clerk.

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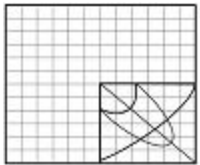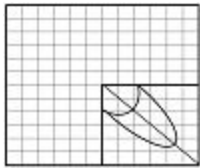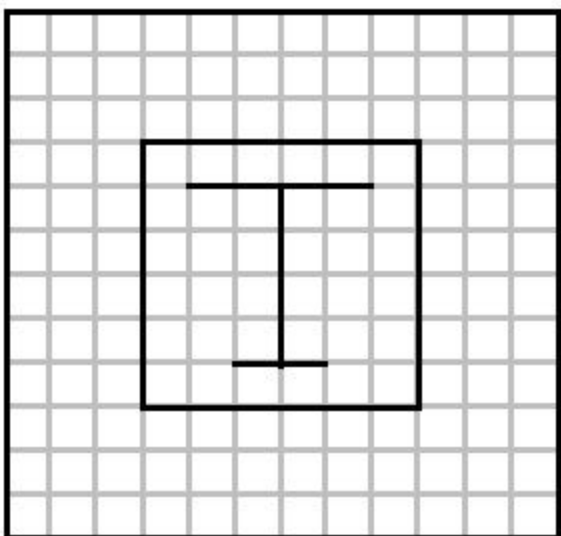

a)

b)

c)

d.
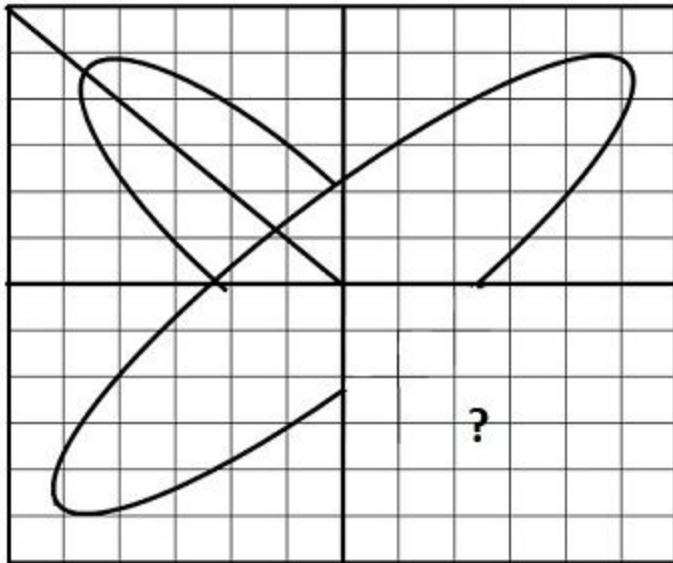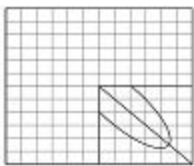
Ans. d.

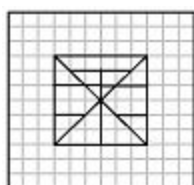Explanation:- the solution for this problem will be the mirror image of the second quadrant. Hence, option(d.) is the correct answer.

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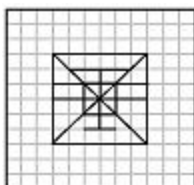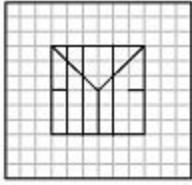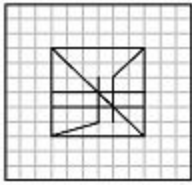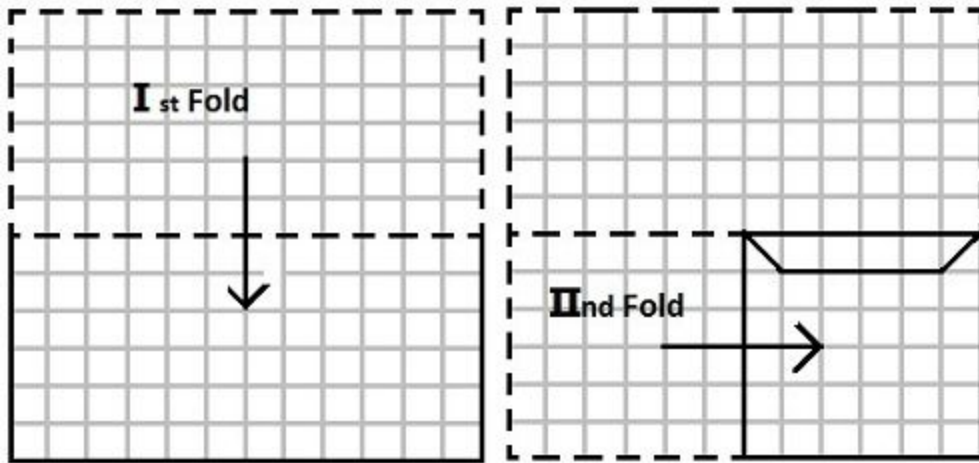
a.

b.

c.

d.

Ans. b

Explanation:- Superimpose the problem image on every optional image. Hence, option(b.) is the correct answer.

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

I st Fold

IInd Fold

a.

b.

c.

d.
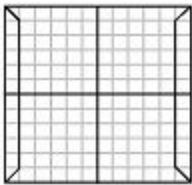
Ans. d.

Explanation:- Reverse the given problem and you will get the correct answer.

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.
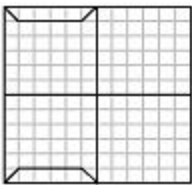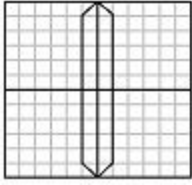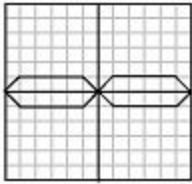

b.

c.

d.
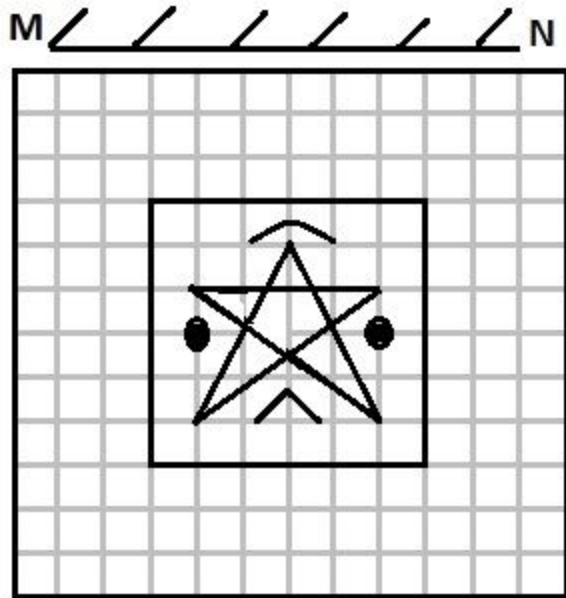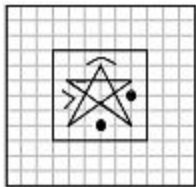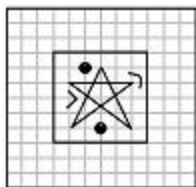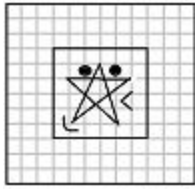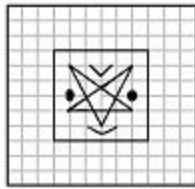
Ans. d.

Explanation:- in mirror image, the object is inverted to 180 degrees clockwise. Hence, option(d.) is the correct answer.

25. 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., 'D' can be represented by 01, 13, etc., and 'H' can be represented by 55, 67, etc. Similarly you have to identify the set for the word 'LIKE'

MATRIX I	0	1	2	3	4
0	C	D	E	F	G
1	F	G	C	D	E
2	D	E	F	G	C
3	E	F	G	C	D
4	G	C	D	E	F

MATRIX II	5	6	7	8	9
5	H	K	L	I	N
6	I	N	H	K	L
7	K	L	I	N	H
8	L	I	N	H	K
9	N	H	K	L	I

a.56, 58, 03, 02

b.57, 65, 62, 02

c.56, 62, 03, 02

d.57, 68, 40, 02

Ans. 57, 65, 62, 02

Explanation:- Let us find the corresponding numbers from the matrix for LIKE-

L= 57, 69, 76, 85, 98;

I= 58, 65, 77, 86, 99;

K= 56, 68, 75, 89, 97;

E= 02, 14, 21, 30, 43;

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

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

Psychology : Human Being :: Ornithology : ?

a. Birds

b. Volcanoes

c. Insects

d. Reptiles

Ans. (a.)

Explanation: Psychology is the scientific study of the human mind and its functions, whereas Ornithology is the scientific study of birds.

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

EGIK : FHJL :: MOQS : ?

a. LNOQ

b. NPRT

c. KMOQ

d. NRPT

Ans. (b.)

Explanation: EGIK ---------(+1)(+1)(+1)(+1)------------> FHJL;

MOQS --------------(+1)(+1)(+1)(+1)----------> NPRT;

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

147 : 741 :: 869 : ?

a. 896

b. 968

c. 689

d. 986

Ans. (b.)

Explanation: 741 is the reverse arrangement 147. Similarly, the reverse arrangement of 869 will be 968.

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

a. Herb

b. Flower

c. Tree

d. Shrub

Ans. (b.)

Explanation: All except the flower are rooted in ground.

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

a. JKLM

b. NOPQ

c. RSTU

d. VWXZ

Ans. (d.)

Explanation: All except VWXZ are the combination of consecutive letters.

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

a. (85, 136)

b. (34, 85)

c. (102, 153)

d. (63, 162)

Ans. (d.)

Explanation: (85, 136)==(5 x 17, 8 x 17);

(34, 85) == (2 x 17, 5 x 17);

(102, 153) == (6 x 17, 9 x 17);

(63, 162) == (7 x 9, 9 x 9 x 2);

All except (63, 162) have HCF of 17.

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

1. Organ

2. Origin

3. Orient

4. Organic

5. Organize

a. 1, 5, 3, 4, 2

b. 1, 5, 4, 2, 3

c. 1, 4, 5, 3, 2

d. 1, 4, 5, 2, 3

Ans. (c.)

Explanation: The logical order of the given words will be as follows-

Organ > Organic > Organize > Orient > Origin;

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

_sr_tr_srs_r_srst_

a. ttssrr

b. tsrtsr

c. strtrs

d. tstttr

Ans. (d.)

Explanation: After studying the above given pattern, we can deduce the following inferences-

'srs' is suffixed by 't' and it implies 'srst' is suffixed with 'r'. No 'rr' and 'ss' combination is allowed as there is no such combination. Hence, the correct sequence will be-

(t) sr (s) tr (t) srs (t) r (t) srst (r).

9. Find the missing number in the following series:

43, 172, 86, 344, ?

a. 172

b. 258

c. 129

d. 430

Ans. (a.)

Explanation: The alternate numbers in the given series are in the multiple of 2.

Hence, the next number will be = 86 * 2= 172;

10. 'A' is the sister of 'B'. 'B' is married to 'D'. 'B' and 'D' have a daughter 'G'. How is 'G' related to 'A'?

a. Sister

b. Daughter

c. Niece

d. Cousin

Ans. (c.)

Explanation: G will be equal of the daughter to A. Hence, the correct answer will be 'niece'.

11. Anil is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek and Tarun is 48 years, how old is Anil?

a. 26

b. 33

c. 24

d. 18

Ans. (c.)

Explanation: Vivek – Anil = Anil – Tarun; --------eq.(i)

Vivek + Tarun = 48 ----------eq.(ii);

From eq.(i) and eq.(ii),

2* Anil= 48; => Anil = 24 years;

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

CHRONOLOGICAL

a. CALL

b. LOGIC

c. CALICO

d. ANALOGY

Ans. (d.)

Explanation: All except ANALOGY can be formed using the given word because the given word does not contain '1Y' and '2A'.

13. If HOUSE is written as FQSUC , then how can CHAIR be written in that code?

a. DIBJS

b. SBJID

c. SHBGD

d. AJYKP

Ans. (d.)

Explanation: HOUSE -----(-2)(+2)(-2)(+2)(-2)------------- FQSUC;

CHAIR ---------(-2)(+2)(-2)(+2)(-2)--------------AJYKP;

14. If P denotes ÷ , Q denotes x, R denotes + and S denotes - then what is the value of 18Q12P4R5S6

a. 64

b. 53

c. 81

d. 24

Ans. (b.)

Explanation: Replace the letter with mathematical signs-

18Q12P4R5S6 = 18 x 12 / 4 + 5 -6;

= 54 + 5 -6= 53;

15. If $4 + 3 = 25$, and $8 + 4 = 80$, then, $3 + 2 = ?$

a. 15

b. 10

c. 13

d. 12

Ans. (c.)

Explanation: $4 + 3 = 4^2 + 3^2 = 25$; $8 + 4 = 8^2 + 4^2 = 80$;

Similarly, $3 + 2 = 3^2 + 2^2 = 13$;

16. Select the missing numbers from the given alternatives

8	32	4
7	?	5
2	6	3

a. 30

b. 35

c. 20

d. 25

Ans. (b.)

Explanation: Second column is the product of first and third column. Hence, 7*5 = 35;

17. Ramesh starts his journey by walking 2 kilometres towards North. Then he takes a right turn and walks 1 kilometre. Again takes a right turn and walks 2 kilometre. Now which direction is he facing?
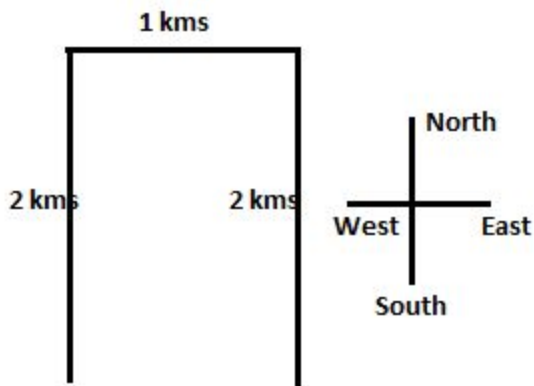
a. East

b. West

c. South

d. North

Ans. (c.)

Explanation: From the given figure, he will be heading towards South direction.

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.

Statement: Irregularity is a cause for failure in exams. Some regular students fail in the examinations.

Conclusions:

I. All failed students are regular.

II. All successful students are not regular.

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. (d.)

Explanation: Failed students ------> Regular;

Successful students ------------> Not regular;

It is clear that both conclusions are baseless.