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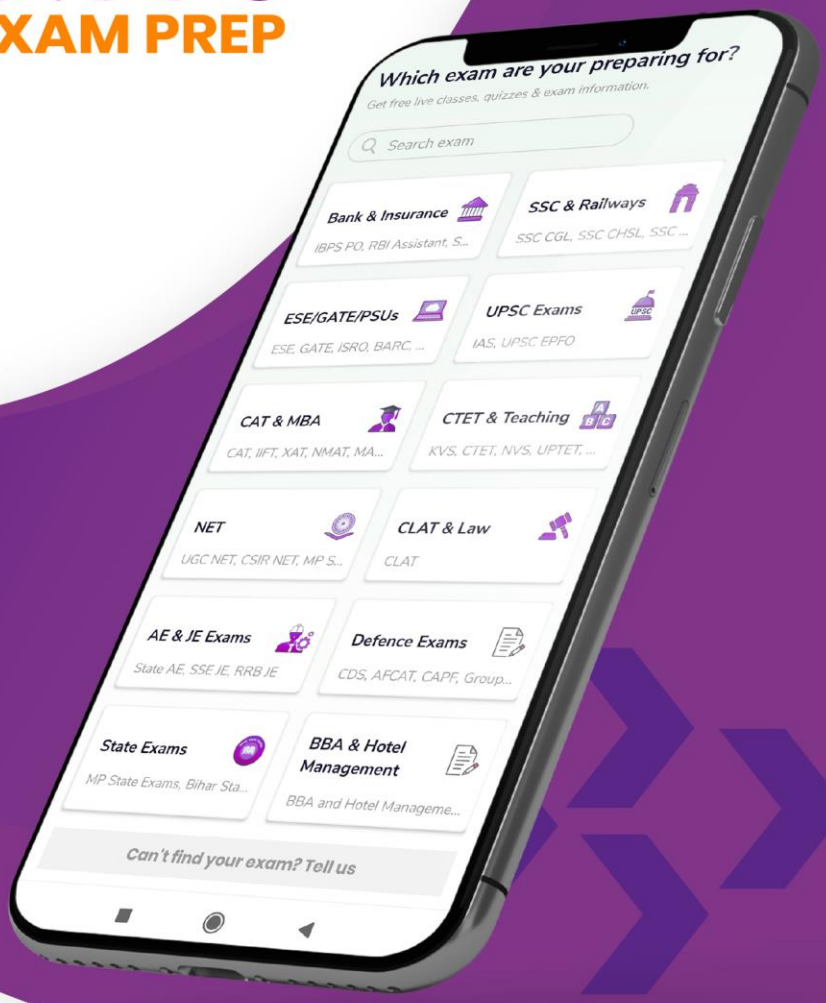

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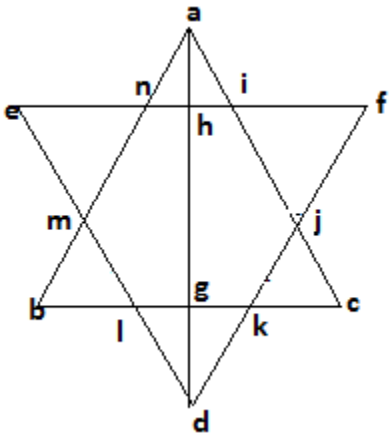
1.How many triangles are there in the given figure?

A. 18
B. 16
C. 14
D. 20

Ans. A
Sol.



In the above figure, the triangles formed are as follows- abc, def, mne, bml, kdl, ckj, fji, ani, ahi, anh, dkg, gdl, dhe, dhf, abg, agc, amd, ajd.
Total no. of triangles are 18.
Hence, option (A) is correct.

2.**Select the number pair in which the two numbers are related in the same way as the two numbers are related in the number pair given below.**
4 : 32
A. 10 : 160
B. 8 : 248
C. 6 : 108
D. 5 : 62

Ans. C
Sol.
As,

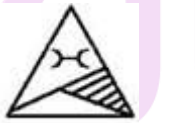
$$4^2 \times \frac{4}{2} = 32$$

Similarly,

$$6^2 \times \frac{6}{2} = 108$$

Hence, option C is the correct answer.

3.**If the mirror is placed on the right side of the diagram given below, then select the right mirror image to be made.**



A.

B.

C.

D.

Ans. B
Sol.

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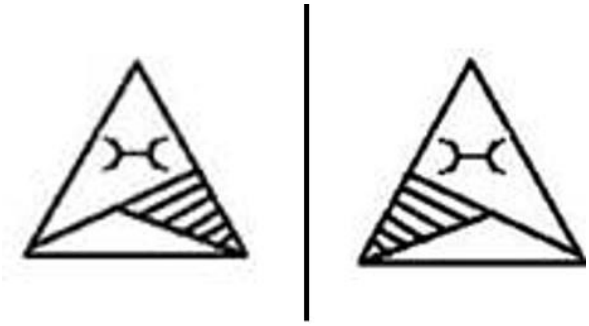
In a plane mirror, a mirror image is a reflected duplication of an object that appears almost identical, but it is reversed in the direction perpendicular to the mirror surface. As an optical effect it results from reflection of substances such as a mirror or water.



Hence, option B is the correct answer.

4.Select the set in which the numbers are interlinked in the same way as the numbers are related in the set given below.
(7, 13, 21)
A. (12, 18, 25)
B. (17, 22, 30)
C. (9, 16, 25)
D. (2, 8, 16)

Ans. D
Sol.

$7 \xrightarrow{+6} 13 \xrightarrow{+8} 21$

Likewise,

$2 \xrightarrow{+6} 8 \xrightarrow{+8} 16$

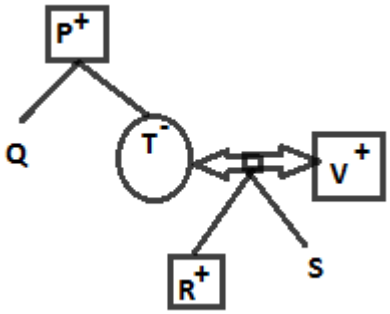
Hence, the correct answer is option (d)

5.In a code language, TEMPLE is written as DKOLDS. In the same code language, how will be WORSHIP written as?
A. OHGRQNV
B. OGHQRVN
C. QJITSPX
D. VNQGHOR

Ans. A
Sol.
Here, each letter within the word are first written in reverse order and then each alphabet moves 1 step backward to obtain the code;
E.g,. ELPMET → DKOLDS
Similarly,
PIHSROW → OHGRQNV
Hence, option A is the correct answer.

6.P is father of Q and grandfather of R. R is brother of S.T is the mother of S, who is married to V. T is sister of Q. How is V related to P?
A. Son
B. Nephew
C. Brother-in-law
D. Son-in-law

Ans. D
Sol.



From the diagram, it is clear that V is son-in-law of P.
Hence, the correct option is (D)

7.
Identify the diagram that best represents the relationship among the given classes.
Parents, rich people, farmers

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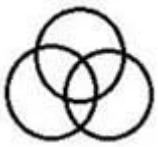
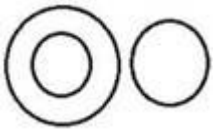
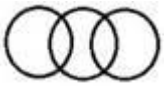
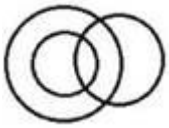
A. 

B. 

C. 

D. 

Ans. A
Sol.

Some parents are rich people and vice-versa.
Some rich people are farmers and vice-versa.
Some farmers are both parents and rich people.
Hence, option (a) is correct.

8.Two statements are given below and then conclusions I, II and III are given. Assuming the statement to be true, even if it seems to be at variance from commonly known facts, you have to decide which of the given conclusions logically follows the given statements.

Statement :

Some cars are vehicles.
No vehicle is four wheeler.

Conclusion :

I. There are no cars that are four wheeler.
II. All four wheelers are cars.
III. Some vehicles are cars.
A. Only conclusion I follows.
B. Both conclusions I and II follow.
C. Only conclusion II follows.
D. Only conclusion III follows.

Ans. D
Sol.

Conclusion:
I. There are no cars that are four wheeler. – (false) as there is no relation between them.
II. All four wheelers are cars. – (false) it is a possibility case.
III. Some vehicles are cars. – (true) it is clearly shown In the diagram.
Hence, option (D) is correct.

9. **Four letter-clusters have been given, out of which three are like in some manner and one is different. Select the odd letter-cluster.**
A. TWUV
B. HNLJ
C. MSOQ
D. DGEF

Ans. B
Sol.
All except HNLJ has one vowel.
Hence, option B is the correct answer.

10.Select the letter combination that is placed sequentially on the blank spaces of the letter series given below to complete the given series.
ac_d_b_cbdd_a_bddb
A. bdbca

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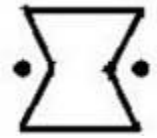
B. bdcab
C. cbdbc
D. bdabc

Ans. D
Sol.
The sequence of series is acbddb.
acbddbacbddbacbddb
So, the correct option is (d)

11.Arrange the following words in a logical and meaningful sequence.
1) Medicine
2) Disease identification
3) Consultation
4) Disease
5) Health Benefits
6) Doctor
A. 4, 6, 3, 2, 1, 5
B. 2, 6, 4, 1, 3, 5
C. 4, 6, 2, 3, 1, 5
D. 4, 6, 1, 3, 2, 5

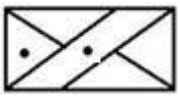
Ans. A
Sol.
We know that disease occurs first and then we go to the doctor. Thus the correct order is –
4. Disease
6. Doctor
3. Consultation
2. Disease identification
1. Medicine
5. Health benefits
Hence, the answer is (A)

12.Select the option in which the given figure is hidden.



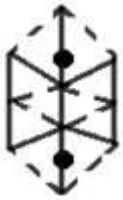
A.

B.

C. 

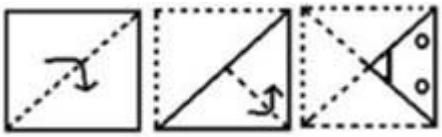
D.

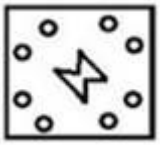
Ans. D
Sol.
On observing the options we can see that the figure given under option (D) is indeed embedded in the original figure. It has been represented below,



Option (d) is the correct answer.

13.**A paper is folded and cut as shown below. What will it look like when open it?**



A. 

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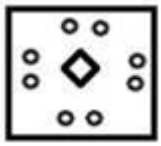
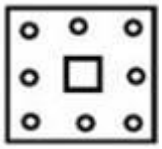
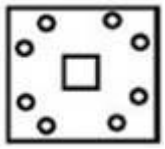
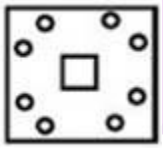
B. 

C. 

D. 

Ans. D
Sol.
The paper will open in 2 steps:-
Step-1

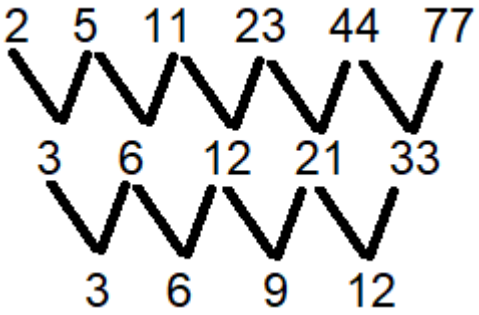
Step-2



Hence, option D is the correct answer.

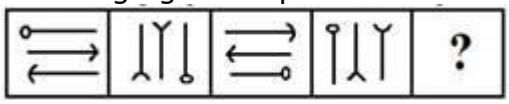
14.In the series given below, what number will replace the question mark (?)?
2, 5, 11, 23, 44, ?
A. 77
B. 63
C. 51
D. 66

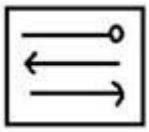
Ans. A
Sol.
The series will be,

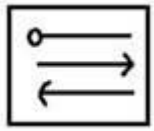


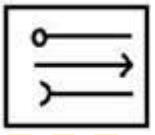
Hence, the correct option is (a).

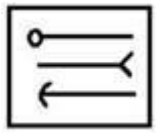
15.Select the next figure in the following figure sequence.



A. 

B. 

C. 

D. 

Ans. B
Sol.
The figure first moves in anti-clockwise direction and then its mirror image shown in the next figure with the outward arrows.
In next figure the pattern is same but arrow sign changes to inward.
Therefore, according to the above pattern-

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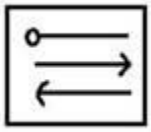

Option (b) is the correct sequence.

16.Three words out of the following four words are somehow similar and one word is uneven. Choose the odd word.
A. Tendency
B. Endurance
C. Stability
D. Persistence

Ans. A
Sol.
Tendency relates to the ability of a person to do something.
While endurance, stability and persistence means the state of being stable.
Hence, the odd word is (a) tendency.

17.To correct the equation given below, which two symbols, should be mutated?
18+6 – 6 ÷ 3 × 3 = 6
A. + और ÷
B. + और ×
C. - और ÷
D. + और -

Ans. A
Sol.
According to the question,
If we interchange the + and ÷ sign the above equation become correct.
18 ÷ 6 – 6 + 3 × 3 (applying BODMAS)
=3 – 6 + 9 => 12 – 6 => 6
So, the correct answer is option (a)

18.If BACK is coded as 11312 and CAKE as 51113. So how will MADE be coded?
A. 13145
B. 54113
C. 51413
D. 31145

Ans. B
Sol.
The code is given after reversing the letter of the word.
The reverse order of back is kcab
Place value of k – 11
Place value of c – 3
Place value of a – 1
Place value of b- 2
Kcab- 11312
Similarly, the reverse order of MADE is EDAM and it will be coded as 54113
Hence, option (b) is correct

19.From the given options, select the word pair whose two words are related to each other in the same way as the words of the word pair below are related.
Heat: Sun
A. House: Terrace
B. Vitamin: Fruit
C. Environment: Humidity
D. Ride: car

Ans. B
Sol.
Sun is the source of heat.
Likewise, fruit is the source of vitamin.
Therefore, the correct response is option (b)

20.Select the option that is related to the third letter group in the same way as the second letter group is related to the first letter group.
BECD : YVXW : : DGEF : ?

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A. WUTV
B. WTVU
C. VRTS
D. XUWV

Ans. B
Sol.
The first and second set of letters are the pairs of the opposite letter.
BECD : YVXW
Similarly,
DGEF : WTVU

Hence, option (b) is correct.

21.The way, in which the verb 'deed' is related to 'reaction', _____ is related to 'inciting'.
A. Foresight
B. Feedback
C. Response
D. Welcome

Ans. C
Sol.
Deed – reaction
Response – inciting
Hence, option (C) is correct

22.Three from the following four numbers are somehow identical and one number is uneven. Select that uneven number.
A. 12
B. 14
C. 30
D. 56

Ans. B
Sol.
3 × 4 =12
2 × 7 = 14
5 × 6 = 30
7 × 8 = 56

All except 14 are the multiples of consecutive numbers.
Hence, option B is the correct answer.

23.Select the set in which the numbers are related in the same way as the numbers are related in the set below.
(10, 18, 38)
A. (4, 12, 22)
B. (14, 12, 8)
C. (12, 22, 46)
D. (18, 6, 14)

Ans. C
Sol.
10 × 2 – 2= 20 – 2 = 18
18 × 2 + 2= 36 +2 =38
Similarly, the option(c) is related to above number set in this manner.
12 × 2 – 2 = 24 – 2 =22
22 × 2 + 2 = 44 + 2 =46
Hence, the correct option is (c) – (12, 22, 46)

24.Two different situations of the same dice are shown. If the number 6 is on the lower board, then what will be the number on the upper board?

A. 4
B. 1
C. 2
D. 3

Ans. D
Sol.
Moving in the clockwise direction,
Cube 1- 3 1 5
Cube 2- 3 4 2
Clearly, 6 will be opposite to 3
Hence, option (D) is correct.

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25.10 years ago, the age of a father was $3\frac{1}{2}$ times of the age of his son and after 10 years from now, the age of the father will be $2\frac{1}{4}$ times of the age of his son. Now, how much is the total sum of the age of father and son?
A. 120 years
B. 115 years
C. 110 years
D. 100 years

Ans. C
Sol.
Suppose the present age of father is F and son is S.
ATQ-
10 years ago,
F - 10 = 7/2 (S-10)
2F - 20 = 7S - 70
7S - 2F = 50 .....(eq1)
10 years from now,
F + 10 = 9/4(S+10)
4F + 40 = 9S + 90
4F - 9S = 50 ....(eq2)
On solving both the equations-
We get, S = 30 & F = 80
Sum of their present ages – 80 + 30 = 110 years
Hence, option (c) is correct.

26.
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 shown in the given two matrices. 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, for example, 'H' can be represented by 34, 41, etc. and 'T' can be represented by 59, 97, etc.

Similarly, you have to identify the set for the word "STRAW".

Matrix-I
आव्यूह-I

	0	1	2	3	4
0	S	R	G	H	W
1	H	W	S	R	G
2	R	G	H	W	S
3	W	S	R	G	H
4	G	H	W	S	R

Matrix-II
आव्यूह-II

	5	6	7	8	9
5	A	F	L	C	T
6	C	T	A	F	L
7	F	L	C	T	A
8	T	A	F	L	C
9	L	C	T	A	F

A. 00, 78, 13, 67, 23
B. 12, 59, 01, 55, 10
C. 24, 97, 20, 86, 31
D. 43, 66, 44, 98, 43

Ans. A
Sol. Let's first get the codes for every letter present in the word STRAW.
S = **00**, 12, 24, 31, 43
T = 59, 66, **78**, 85, 97
R = 01, **13**, 20, 32, 44
A = 55, **67**, 79, 86, 98
W = 04, 11, **23**, 30, 42
Now let's analyze the options given:
Option (A). STRAW → 00, 78, 13, 67, 23

Hence, option A is the correct answer.

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

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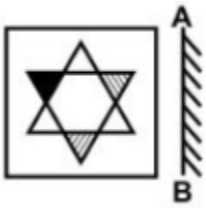


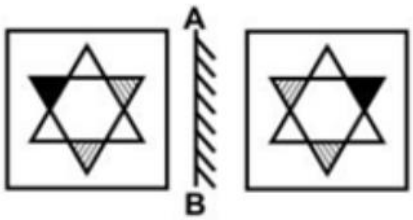
A.

B.

C.

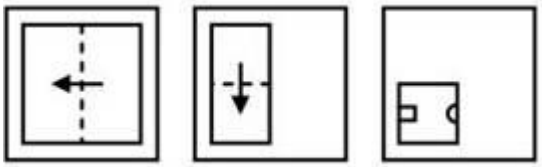
D.

Ans. D

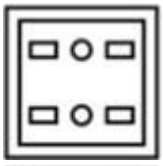
Sol. 

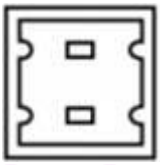
Hence, option D is the correct answer.

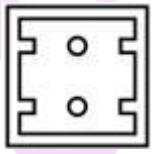
28.**A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?**



A.

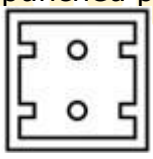
B. 

C. 

D. 

Ans. D

Sol. When the paper is opened, the punched paper will look like below,



Hence, option D is the right answer.

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

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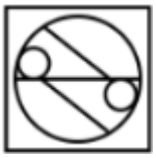
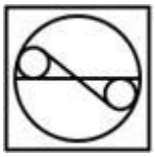
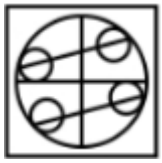
A. 

B. 

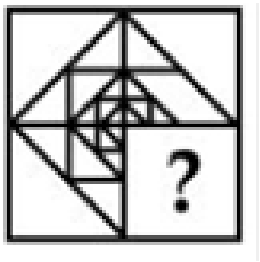
C.

D. 

Ans. B
Sol.
The given figure is embedded in option B.

Hence Option B is the correct answer.

30.
Which answer figure will complete the pattern in the question figure?



A.

B.

C.

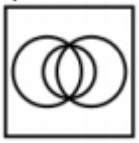
D.

Ans. B
Sol.
If we see the diagram carefully, the upper left part of the diagram is the mirror image of the lower left part. Similarly for the right-hand side of the image.

Hence, option B is the correct answer.

31.**Identify the diagram that best represents the relationship among the given classes.**

Real number, Integer, Natural number

A. 

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B.

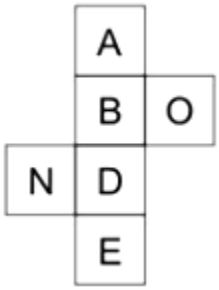
C.

D.

Ans. C
Sol. All natural numbers are integers and all integers are real numbers.

Hence, option C is the correct answer.

32.**From the given options, which figure can be formed by folding the figure given in the question?**



A.

B.

C.

D.

Ans. B
Sol. As we fold up the entire cube, we'll find the
A will be opposite to D
B will be opposite to E
O will be opposite to N
Which clearly represents option B

Hence option B is the correct answer.

33.
In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. All cups are plates.
II. Some plates are glass.

Conclusions:
I. Some glasses are cups.
II. All glasses are cups.
A. Only conclusion (I) follows.
B. Only conclusion (II) follows.

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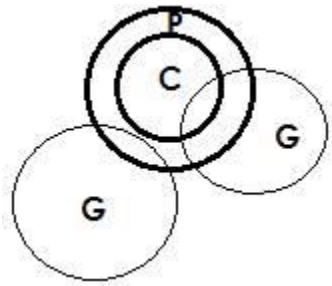
C. Neither conclusion (I) nor conclusion (II) follows.
D. Both conclusions follow.

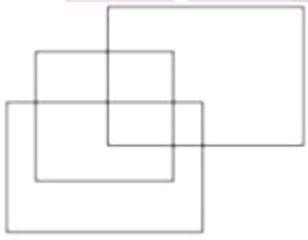
Ans. C
Sol.



Clearly none of the given conclusions follow.

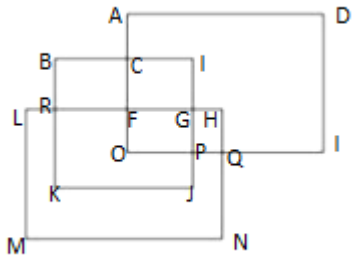
Hence, option C is the correct answer.

34.**How many rectangles or squares are there in the given figure?**



A. 9
B. 10
C. 11
D. 12

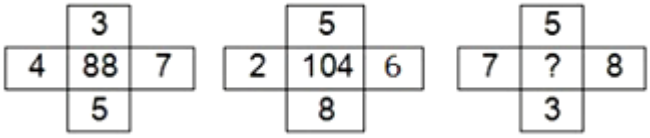
Ans. C
Sol.



The rectangle or squares are as follows -BCRF, CIFG, FGOP, GHPQ, OFHQ, CIOP, RKGJ, BIRG, BIKJ, LMNH, ADIO.

Hence, option C is the correct answer.

35.**In the following question, select the missing number from the given alternatives.**



A. 108
B. 112
C. 118
D. 120

Ans. D
Sol. The pattern is :
4 + 7 = 11
3 + 5 = 8
11*8 = 88;

And,
2 + 6 = 8
5 + 8 = 13
13*8 = 104;

Similarly,
7 + 8 = 15
5 + 3 = 8
15*8 = **120**

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Hence, option D is the correct answer.

36.If 4 x 9 x 3 = 4 and 5 x 3 x 1 = 3, then
9 x 9 x 7 = ?
A. 5
B. 6
C. 7
D. 9

Ans. A
Sol. 4 + 9 + 3 = 16 which is 4*4, so take 4
5 + 3 + 1 = 9 which 3*3, so take 3
Similarly, 9 + 9 + 7 = 25, which 5*5, so take 5

Hence, option A is the correct answer.

37.
In the following question, correct the equation by interchanging two signs.

6 + 8 ÷ 4 – 4 = 8
A. ÷ and =
B. ÷ and +
C. ÷ and –
D. + and –

Ans. D
Sol.
Given : 6 + 8 ÷ 4 – 4 = 8
After changing the signs (+ and -)
6 - 8 ÷ 4 + 4 = 8
6 - 2 + 4 = 8
6 + 2 = 8
8 = 8 (hence this is correct)

Hence, option D is the correct answer.

38.In a certain code language, "BIOLOGY" is written as "YRLOLTB". How is "PHYSICS" written in that code language?
A. KSXRBHH
B. KSBHRXH
C. XHRHBSK
D. KSBHXRH

Ans. B
Sol. Reverse order is followed.
Like B is 2^{nd} from the starting, so search for 2^{nd} from the end i.e. Y
Hence B gets the code Y.
Similarly,
I = 9^{TH} from the starting
R = 9^{th} from the ending
O = 15^{th} hence L = 15^{th} from end
L = 12^{th} and hence O = 12^{th} from end
Again O = 15^{th} hence L = 15^{th} from end
G = 7^{th} and hence T = 7^{th} from end
Y = 25^{th} and hence B = 25^{th} from the end
Similarly we can have for the word PHYSICS
P = K i.e. 16^{th}
H = S i.e. 8^{th}
Y = B i.e. 2^{nd}
S = H i.e. 19^{th}
I = R i.e. 9^{th}
C = X i.e. 3^{rd}
S = H i.e. 19^{th}
So the code is KSBHRXH
Hence B is correct option.

39.**In the following question, from the given alternative words, select the word which can be formed using the letters of the given word.**

CAPITULATE
A. CAPABLE
B. LUPIN
C. PITTY
D. TALE

Ans. D

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Sol. Out of all options given, only TALE can be formed as
Capable requires extra B
Lupin requires extra N
Pitty requires extra Y

Hence, option D is the correct answer.

40.In a row of 74 girls, Shweta is 27^{th} from left end. Palak is 7^{th} to the right of Shweta. What is Palak's position from the right end of the row?
A. 40
B. 41
C. 42
D. 44

Ans. B
Sol.
If shweta is 27^{th} , then palak will be 34^{th} i.e. 27 + 7(34) from the left end.
To get her position from the right end, just subtract from 74.
I.e. 74 - 34+1 = 41^{st} position from the right end.
Hence, option B is the correct answer.

41.There are five students - P, Q, R, S and T having different heights in a class. P's height is more than only one student. Q's height is more than S and P but not more than R. S's height is more than P. R is not the smallest. Who is having the maximum height in the class?
A. Q
B. R
C. S
D. T

Ans. B
Sol. According to the first 4 statements we have the arrangement like this:
R Q S P _
Now we're left with only T and hence T will occupy the first position
R Q S P T
This is the final arrangement.
Hence, R is highest.
Hence, option B is the correct answer.

42.**A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**

19, 38, ?, 228, 684, 1368
A. 108
B. 113
C. 114
D. 138

Ans. C
Sol. As we move with the series,
19*2 = 38
38*3 = 114
114*2 = 228
228*3 = 684
684*2 = 1368

Hence 114 is the correct number to replace with the question mark.

Hence, option C is the correct answer.

43.**In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?**

_ yzaa _ y _ xy _ aazy _
A. xxzzx
B. xxaza
C. xzxzx
D. aazzx

Ans. C

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Sol. 'xyza' and 'azyx' are mentioned in the series alternatively
So let's put the letters.
xyzaa _y_xy _ aazy _
xyza/azyx/xyza/azyx

Hence, option C is the correct answer.

44.**Arrange the given words in the sequence in which they occur in the dictionary.**

1) Flinching
2) Flintlock
3) Flinpites
4) Flintlocks
5) Flinchers
A. 15243
B. 51243
C. 51324
D. 51342

Ans. C
Sol. FLIN is common in all words. Look for the next letters.
Out of C, T, P, T, C; let's first look for the words with C.
H is again common. Then we have I & E, out of which E comes first. So first 5. Then 1.
Then the word P will come.
Out of the two common T present, let's look for the next letters.
Both the words are same and only the 4^{th} word has an extra 's' that means it will come last.
So the sequence is 51324

Hence option C is the correct answer.

45.**In the following question, select the odd one out from the given numbers.**
A. 253
B. 473
C. 143
D. 633

Ans. D
Sol.
253, 473 and 143 are divisible by 11, but 633 is divisible by 3.
Hence, option D is the correct answer.

46.**In the following question, select the odd letters from the given alternatives.**
A. MN
B. NM
C. OL
D. ET

Ans. D
Sol.
M+N=27
N+M=27
O+L=27
E+T=25

Hence, option D is the correct answer.

47.**In the following question, select the odd word from the given alternatives.**
A. Beneath
B. On top
C. Huge
D. Above

Ans. C
Sol. Out of all the options present, only HUGE means large. Rest all indicate the positions like:
Beneath – under something
On top – something above
Above – on top

Hence, option C is the correct answer.

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48.**In the following question, select the related number from the given alternatives.**

56 : 41 : : 94 : ?
A. 49
B. 53
C. 62
D. 89

Ans. A
Sol. As,
5x6= 30
5+6= 11
adding (30+11)= 41
Similarly,
9x4=36
9+4=13
adding(36+13)= 49

Hence, option A is the correct answer.

49.**In the following question, select the related letter from the given alternatives.**

DE : T : : AF : ?
A. H
B. F
C. J
D. I

Ans. B
Sol.
With reference to the position of the alphabets in the English Alphabet series:
D=4, E=5
4x5 = 20
Place value of 20= T
Similarly,
A=1 , F= 6
6x1= 6
Place value of 6= F

Hence, option B is the correct answer.

50.**In the following question, select the related word from the given alternatives.**

Goiter: Iodine : : Anemia : ?
A. Vitamin D
B. Iron
C. Vitamin E
D. Calcium

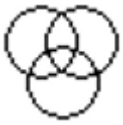
Ans. B
Sol. Goiter is caused by the deficiency of Iodine. Similarly, Anemia is caused by the deficiency of Iron.

Hence, option B is the correct answer.

51.**Identify the diagram that best represents the relationship among the given classes.**

watch, analog, digital

A.

B. 

C.

D.

Ans. C
Sol. As we know that there are two types of watches; one is analog and the other is digital. Therefore, option C. clearly indicates the relation between watch, analog, digital.

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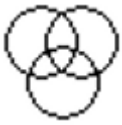
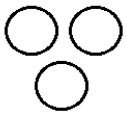
Hence, option C is the correct answer.

52. Identify the diagram that best represents the relationship among the given classes.
Autumn, Winter, Summer

A.

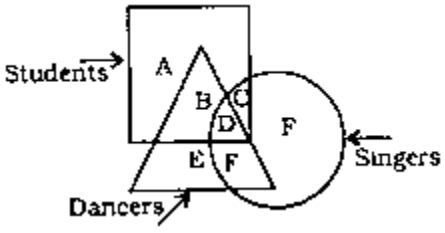
B. 

C. 

D.

Ans. C
Sol. Autumn, winter, summer are different types of seasons and there is no relationship between them. Hence, all the three are represented by three different circle.
Hence, option C is the correct answer.

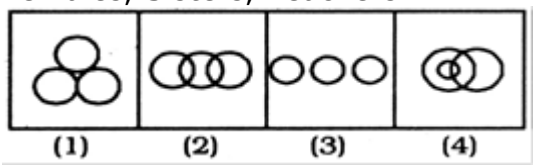
53.**Direction**: In the figure given below, what does 'B' represent?



A. Students who are singers
B. Students who are dancers
C. Students who are both singers and dancers
D. Students who cannot dance

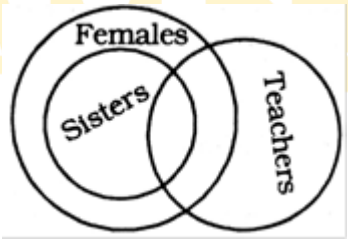
Ans. B
Sol. 'B' represents such students who are dancers also but not signers.

54.
Identify the diagram that best represents the relationship among the given classes.
Females, Sisters, Teachers



A. Figure (1)
B. Figure (2)
C. Figure (3)
D. Figure (4)

Ans. D
Sol.
All sisters are females.
Some sisters are teachers.
Some teachers are females.



Hence, option D is the correct answer.

55.Which of the following diagrams indicates the best relation between Powerpoint, Word and Notepad?

A.

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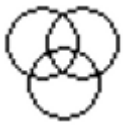
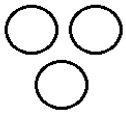
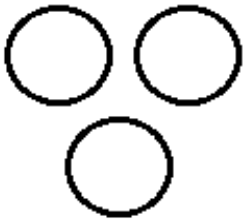
B. 

C. 

D.

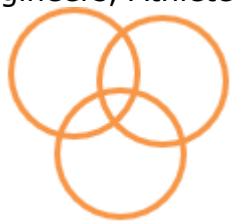
Ans. C
Sol. As we know that all three PowerPoint, word and notepad are Microsoft office tools but all are different from each other.



Hence, option C is the correct answer.

56.Identify the diagram that best represents the relationship among the given classes.

Engineers, Athletes and Men

A. 

B.

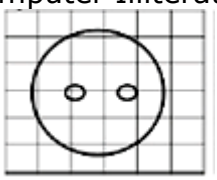
C.

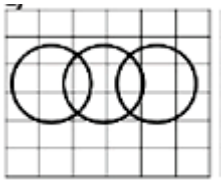
D.

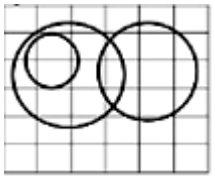
Ans. A
Sol.

Some engineers can be athlete.
Some athlete can be men.
Some men can be engineers.
All the three mentioned classes are interrelated.
Hence, option A is the right answer.

57.Which figure represents the relationship among Computer skilled, Computer Illiterate, Employees.

A. 

B. 

C. 

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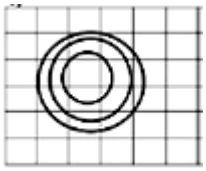
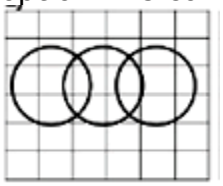
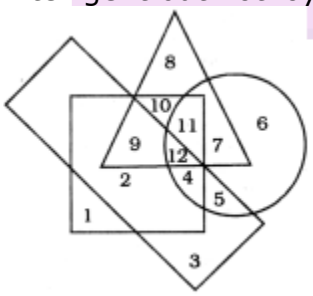
D. 

Ans. B
Sol. Clearly, employee can be a Computer skilled or Computer Illiterate as well. Middle circle shows employee and the rest two circle shows Computer skilled and Computer Illiterate. Hence option B is correct.



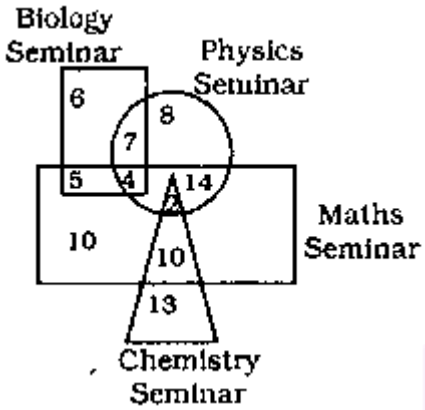
58.In the given figure, the circle stands for intelligence, square for hard - working, triangle for post–graduate and the rectangle for loyal employees. Study the figure and indicate the number which represents post-graduate who are hard-working and intelligent but not loyal?



A. 12
B. 11
C. 10
D. 9

Ans. B
Sol. The required region should be common to circle, square and triangle but outside the rectangle. Such region is marked '11'. Hence, option B is the right answer.

59.The venn diagram below shows the number of people who attended seminars on physics, Chemistry math and biology. What is the number of people who attended exactly any two seminars?



A. 21
B. 36
C. 38
D. 42

Ans. B
Sol. The number of people who attended exactly any two seminars can be determined by adding the numbers common to only two geometrical figures.
Required number
= 7 + 5 + 14 + 10 = 36

60.In the given diagram, Circle represents professional, Square represents dancers, Triangle represents musicians and Rectangle represents European. Different regions in the diagram are numbered 1 to 11.

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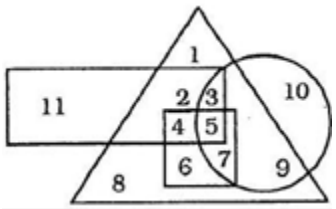


Who among the following is not a musician but an European ?
A. 10
B. 9
C. 11
D. 8

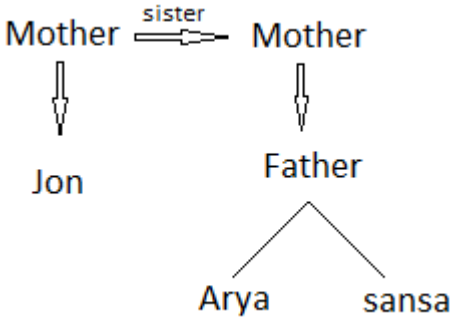
Ans. C
Sol. The required region should be present in the rectangle but outside the triangle. Such region is marked '11'.

61.Introducing a boy Rahul says, "He is the son of the brother of the only daughter of my maternal grandfather". How is the boy related to the Rahul?
A. Grandfather
B. Son
C. Cousin / Brother
D. Father

Ans. C
Sol. The only daughter of Rahul's maternal grandfather is Rahul's mother.
Brother of Rahul's mother is Rahul's uncle.
Son of Rahul's uncle is Rahul's cousin.
Thus the boy is cousin of Rahul.

62.Arya said to Sansa that Jon's mother is the sister of our father's mother. How is Jon related to Sansa and Arya?
Note: John is a male.
A. Uncle
B. Father
C. Grandfather
D. Brother

Ans. A



Sol.
Jon's mother is the sister of our father's mother.
Jon's mother is the sister of our grandmother.
Jon's mother is our grandmother's sister.
Jon is our Father's cousin i.e. paternal uncle.
Hence, option A is the correct response.

63.Saurabh's mother is the daughter of Ajeet's only sister. Ritik is the grandson of Ajeet. How is Ritik related to Saurabh?
A. Cousin
B. Brother
C. Uncle
D. Maternal uncle

Ans. A
Sol. From the information given in the question,

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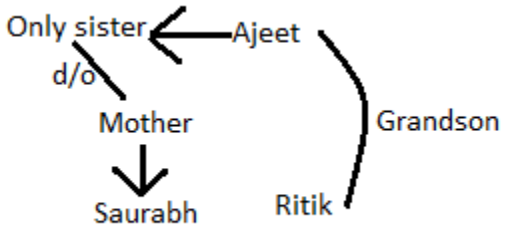
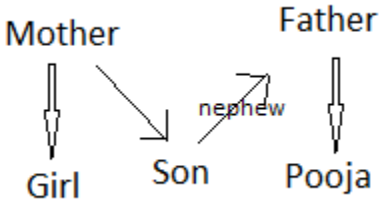


So, Saurabh and Ritik are cousin.
Hence, the correct option is A.

64.Introducing a girl, Pooja says, "Her mother's son is the nephew of my father". How is the girl related to Pooja?
A. Niece
B. Daughter
C. Sister
D. Cousin

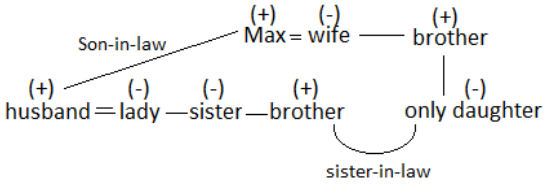
Ans. D
Sol. From the information given in the question,



Girl's mother son → Girl's brother
Girl's brother → Pooja's father nephew
Girl → Pooja's cousin
Hence, the correct option is D.

65.Max said to a lady sitting in the car, "The only daughter of the brother of my wife is the sister-in- law of the brother of your sister." How the husband of the lady is related to Max?
A. Maternal Uncle
B. Uncle
C. Father
D. Son-in-law

Ans. D
Sol. As per the given information, the family tree will be-:



Here the only daughter of Max's wife's brother will be either the wife of lady's brother's brother or she will be the lady's brother's wife's sister. Therefore in both cases the lady's husband is related as son-in-law of Max (as shown in the diagram above).

Therefore, the correct option is D.

66.

Direction: In given question below, a statement is followed by some assumptions. An assumption is something supposed or taken in for granted. You have to consider the statement and the following assumptions and then decide which of the assumptions is implicit in the statement.

Statement: Punjab government ban alcohol in the state, thus people in Punjab will become civilized.

Assumptions:
I. Not drinking alcohol makes an individual civilized.
II. Punjab government should also ban smoking to make civilized.A. Only assumption I is implicit
B. Only assumption II is implicit

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C. Both assumptions I and II are implicit
D. Neither assumption I nor II is implicit
E. None of these

Ans. A
Sol. According to the given statement, We can assume assumption I as a valid assumption.

67.
Direction: In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.
Statement:
In several Indian schools, the lunch packages on offer at the canteens have become healthier and cheaper. However, there seems to be no decrease in instances of child obesity with the canteens offering aerated drinks and deep-fried snacks too.

Assumptions:
I. Indian schools look at the sales of these drinks and snacks for extra income.
II. School canteens do not serve lunches that are lucrative to the children.A. If only assumption I is implicit
B. If only assumption II is implicit
C. If either I or II is implicit
D. If neither I nor II is implicit
E. If both I and II are implicit

Ans. A
Sol. Option I best explains the situation – on the one hand the school has to ensure a nutritious diet for the kids and on the other they need some extra funds to function.Option II does not explain the paradox that is presented.

68.**Statement:**
Children should be admitted in preschools so that they can start their formal education at the age of about 5 years.

Assumptions:
I. Children develop the basic mental faculties required to be in school at about the age of 5.
II. Schools tend to be iffy about admitting students who are above 6 years of age.
A. If only assumption I is implicit
B. If only assumption II is implicit
C. If either I or II is implicit
D. If neither I nor II is implicit
E. If both I and II are implicit

Ans. A
Sol. Since the statement speaks of admitting children as young as five, it definitely means they are ready to be admitted. So, I is implicit. Since, nothing is mentioned about admission above the age of 6, II is not implicit.

69.**Statement:**
Every person in India who is 18 and above should be accorded the benefits of an unemployment allowance, in case they are not employed gainfully.

Assumptions:
I. The youngsters in India who are not employed need financial support.
II. The Indian exchequer will be able to bear the brunt of such a move.
A. If only assumption I is implicit
B. If only assumption II is implicit
C. If either I or II is implicit

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D. If neither I nor II is implicit

Ans. A
Sol. I is a direct understanding from the statement and thus is implicit. Also, the statement is a suggestion and does not speak of a government policy or the position of its funds. So, II is not implicit. Students may find it extremely tempting to fall into this trap. So caution should be exercised in this question.

70.
Direction: The question below, there is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true. Then consider the two conclusions together and decide which of them follows beyond a reasonable doubt from the information given in the statement.
Statement:
High-pressure boilers are hazardous pieces of equipment, which are strictly regulated with special laws.

Conclusions:
I. If not regulated, high-pressure boilers will be easily available in the market.
II. High-pressure boilers are rare.A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and II follows
D. Neither conclusion I nor II follows
E. Either conclusion I or II follows

Ans. D
Sol. The statement says that the high-pressure boilers are **hazardous** and that's why they are strictly regulated with special laws. Conclusion I talks about availability although the statement does not relate to the availability. Conclusion II talks about the rarity of high-pressure boilers although the statement does not mention it anywhere. Hence, option D is the correct option.

71.

Direction: In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statement: It has long been recognised that children testifying as witnesses find the courtroom experience intimidating.

Conclusions:
I. Children should not be allowed in the courtroom
II. Courtrooms are not children friendlyA. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and II follows
D. Neither conclusion I nor II follows
E. Either conclusion I or II follows

Ans. B
Sol. Intimidating means frighten. Conclusion 2 proves the statement which tells us that courtrooms experience is intimidating to children. Conclusion 1 does not address the problem mentioned in the statement. Hence, option B is the correct option.

72.

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In the question below there is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true. Then consider the 2 conclusions together and decide which of them follows beyond a reasonable doubt from the information given in the statement.

Statement: Exercising is good for health.

Conclusions:

I. All healthy people exercise.

II. Only exercising will keep you healthy.A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions I and II follow

D. Neither conclusion I nor II follows

Ans. D

Sol. It says exercise keeps you healthy but that doesn't mean all healthy people go for exercise. They can stay healthy by eating healthy. Because of the same reason II is wrong so I and II does not follow

73.In the following question, select the odd letter from the given alternatives.

A. eno

B. iqa

C. ubu

D. olr

Ans. D

Sol. Out of all the options present in the above question,

Eno has 2 vowels

Iqa also has 2 vowels

Ubu also has 2 vowels

But olr has only 1 vowel

Hence, 'olr' is the correct response.

Hence, option D is the correct answer.

74.In the following question, select the odd number from the given alternatives.

A. 308

B. 108

C. 288

D. 240

Ans. A

Sol. 108 is divisible by 3

288 is also divisible by 3

And 240 is also divisible by 3

But 308 is not divisible by 3

Hence, option A is the correct response.

75.

In the following question, select the odd number from the given alternatives.

A. 369

B. 235

C. 346

D. 628

Ans. C

Sol.

3 + 6 = 9

2 + 3 = 5

6 + 2 = 8

Whereas, 3 + 4 = 7 and not 6

Hence, option C is different from others.

76.In the following question, select the odd number from the given alternatives.

A. 79

B. 59

C. 53

D. 75

Ans. D

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Sol. 79, 59 and 53 are the prime numbers whereas 75 is not a prime number.
75 is the multiple of 5, 3 and 15.
Hence, option D is different from others.

77.Select the one which is different from the other three responses.
A. 4226
B. 8314
C. 9586
D. 7284

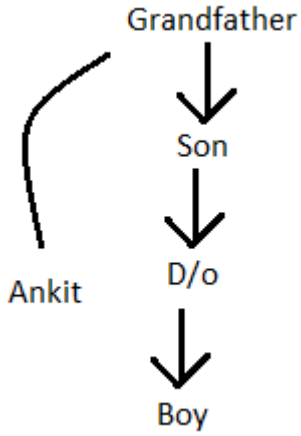
Ans. D
Sol.
4226 - 4+2+2+6 = 14
8314 - 8+3+1+4 = 16
9586 - 9+5+8+6 = 28
7284 - 7+2+8+4 = 21
Sum of all numbers is even.
Thus 7284 is the odd number.

78.In the following question, select the odd number from the given alternatives.
A. 78, 26
B. 18, 20
C. 40, 20
D. 36, 12

Ans. B
Sol.
78 = 26 * 3
40 = 20 * 2
36 = 12 * 3
The first number in the pair is the multiple of the other number.
But pair (18, 20) does not show such relationship. Hence, option B is different from others.

79.Introducing a boy Ankit said, "He is the son of daughter of my grandfather's son". How is the boy related to Ankit?
Note: Ankit is a male.
A. Cousin
B. Brother
C. Father-in-law
D. Nephew

Ans. D
Sol. From the information given in the question,



Clearly, Ankit must be the brother of Boy's mother, thus the boy is the nephew of Ankit.
Hence, the correct option is D.

80.Recently Dinshaw's wife gave birth to his only daughter. he has two childrens. how is other child related to Dinshaw?
A. daughter
B. aunt
C. niece
D. son

Ans. D

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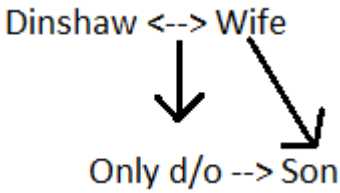

Sol.
Dinshaw has a girl and a boy so his other child will be a boy which will be his son.
Hence, option D is the correct response.

81.

Direction: In the following question, a statement is given followed by two course of action. Assuming everything given in the statement is true, decide which of the option logically worth pursuing.

Statement:
India is developing but still children in tribal areas have never seen a classroom or know how to write their name.
Courses of actions:
I. Schools should be opened for the tribal children and it must be made accessible.
II. This issue must be raised in legislative assembly and discussed in depth before taking an action.A. Only I follows
B. Only II follows
C. Both I and II follows
D. Neither I nor II follows
E. Either I nor II follows

Ans. A
Sol. The issue is clear and the direct course of action is also clear, there is no need for discussing in depth and delaying the action. So only I follows.

82.
Direction: In the question below is given a statement followed by some courses of actions. You have to assume everything in the statement to be true and on the basis of the information given in the statement. Decide which of the suggested courses of action logically follow(s) for pursuing.
Statement: A police officer receives complain that MP of his district is taking the bribe in order to facilitate some work.
Course of actions:
I. Police officer should try to investigate the matter and catch red-handed that MP.
II. Police officer should wait for some more complaint and then catch MP red-handed.
A. If only course of action I follow
B. If only course of action II follows
C. If both the course of action follows
D. if neither course of action fallows
E. Data inadequate

Ans. A
Sol. First is the viable course of action. He does not have to wait that a crime should happen and after that he will catch that MLA.

83.**Statement:**
India is developing but still children in tribal areas have never seen a classroom or know how to write their name.
Courses of actions:
I. Schools should be opened for the tribal children and it must be made accessible.
II. This issue must be raised in legislative assembly and discussed in depth before taking an action.

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A. Only I follows
B. Only II follows
C. Both I and II follows
D. Neither I nor II follows
E. Either I nor II follows

Ans. A
Sol. The issue is clear and the direct course of action is also clear, there is no need for discussing in depth and delaying the action. So only I follows.

84.
Statement: A police officer receives complain that MP of his district is taking the bribe in order to facilitate some work.
Course of actions:
I. Police officer should try to investigate the matter and catch red-handed that MP.
II. Police officer should wait for some more complaint and then catch MP red-handed.
A. If only course of action I follow
B. If only course of action II follows
C. If both the course of action follows
D. if neither course of action fallows
E. Data inadequate

Ans. A
Sol. First is the viable course of action. He does not have to wait that a crime should happen and after that he will catch that MLA.

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