



# MATHS

## BOOKS - OSWAL PUBLICATION

### MAT STAGE 2 (2019-20)

MCQ

$$\circ + \circ = 10$$

1.  $\circ + \square + \square = 10$

$$\circ + \square - \Delta \times \circ = 5$$

then the value of  $\Delta$  will be

A. 1.5

B. 2.5

C. 5

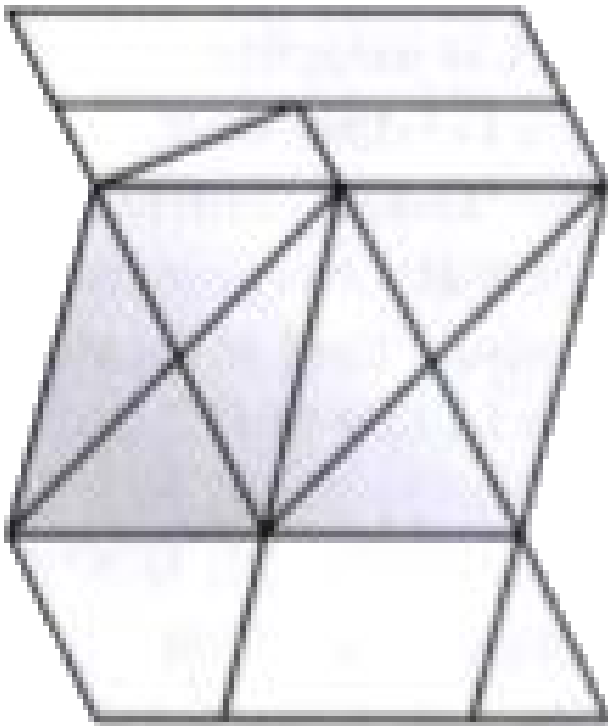
D. 7.5

**Answer: A**



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2. How many parallelograms are there in the given figure ?



A. 14

B. 15

C. 16

D. 17

**Answer: B**



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3. A newspaper has 6 sheets consisting of 24 pages in total. If page number 17 of that newspaper is missing then find the set of missing pages in that newspaper, from the alternatives given below :

A. 6, 7, 16, 17

B. 7, 8, 17, 18

C. 8, 9, 17, 18

D. 9, 10, 16, 17

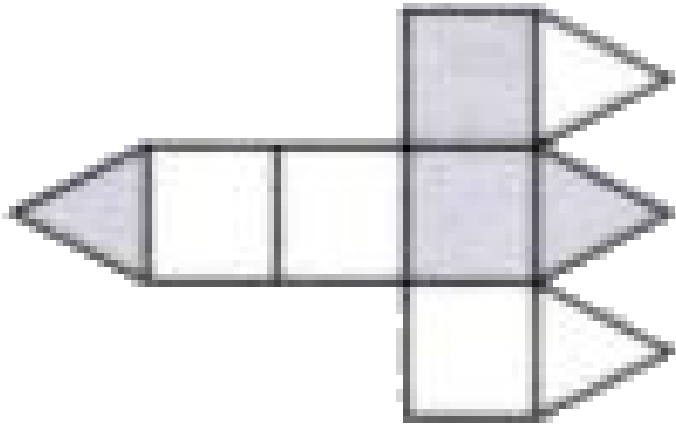
**Answer: B**



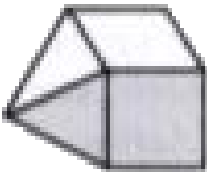
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4. The given figure in the questions has five squares and four equilateral triangles. Two squares and two triangles are shaded. The figure is folded along the dividing lines, the squares by  $90^\circ$  and triangles by  $45^\circ$  so as to

form a closed three dimensional object . The object is then placed with its apex pointing towards your left . Which one among the figures given in the alternatives can be seen ?

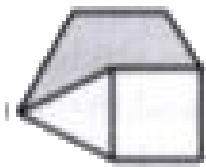


A.

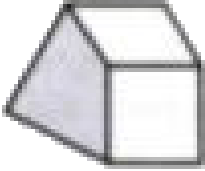


B.





C.



D.

**Answer: A**



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5. 0, 6, 24, 60, ..., 210.

A. 96

B. 120

C. 140

D. 160

**Answer: B**



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6. By studying the figure and number relationship, find the missing number '?'





A. 5

B. 6

C. 9

D. 12

**Answer: B**



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7. The opposite faces of Dice X are :

$[(5,2), (6,3), (4,1)]$

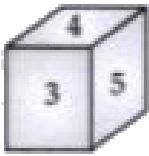
The opposite faces of Dice Y are :

[(3,5),(4,1),(6,2)]

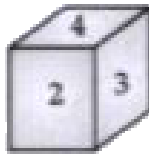
Which figure can represent both Dice X and Dice Y with faces shown below ?



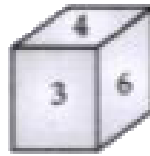
A



B



C



D

A. A

B. B

C. C

D. D

**Answer: C**



8. If

$$\begin{array}{rcccccc}
 & R & S & S & T & U & \\
 + & & N & R & S & T & \\
 + & & & R & T & S & \\
 \hline
 & 3 & 7 & 8 & 4 & 9 & \\
 \hline
 \end{array}$$

Then , find the code for T U R N S

A. 13625

B. 65231

C. 16352

D. 53126

**Answer: C**



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**9.** A comparison of ages of A, B, C, D and E are as follows

I. B' s age is half the age of A

II. B' s age is  $1\frac{1}{2}$  times the age of C

III. D' s age is 12 years less than C .

IV. D' s age is  $1\frac{1}{2}$  times than age of E .

V. The age of E is 12 years

With the given data what will be the difference in the ages of A and C ?

A. 64

B. 60

C. 40

D. 36

**Answer: B**



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10. If CLOUD = 11, BURST = 16 and ACE = 3, then  
MONSOON = ?

A. 13

B. 15

C. 17

D. 19

**Answer: B**



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11. Three dice are rolled simultaneously and the number shown on all the three dice are added, then the total number of possible ways to the a sum of 7 is \_\_\_\_\_?

A. 12

B. 13

C. 15

D. 16

**Answer: C**



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12. A comparison of marks scored by Gauri , Aaban, Seerat and Alvina in an examination is as follows

I. Gauri has scored 15 marks less than Aaban.

II. Gauri has scored 20 marks more than Seerat

.

III. Alvina has scored 10 marks less than Seerat

To decide who has scored the highest marks, identify the statement from those given in the alternatives in respect of sufficiency of data

A. Data given in I and II are sufficient



B. Data given in I and III are sufficient

C. Data given in II and III are sufficient

D. Data given in I, II and III are sufficient

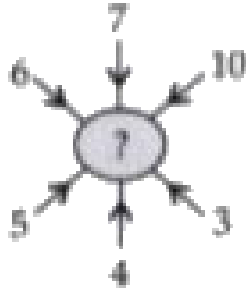
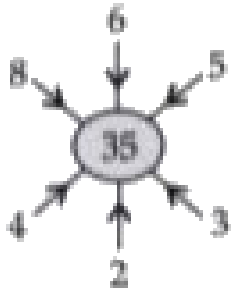
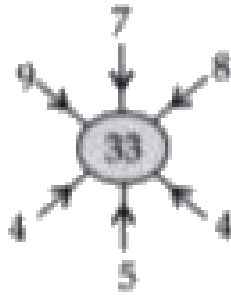
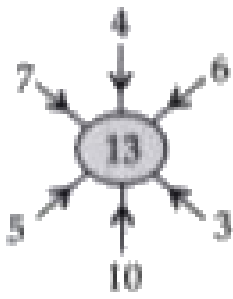
**Answer: D**



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**13.** The number in the palce of '?' should be

-----



A. 30

B. 32

C. 34

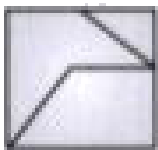
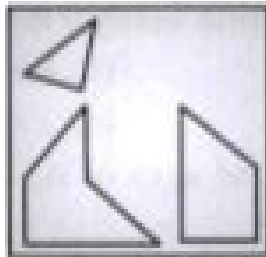
D. 36

**Answer: B**

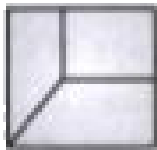


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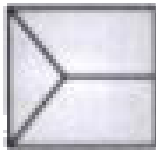
14. Find out which of the following figures can be formed from the pieces given in the figure 'X' ?



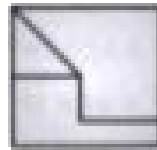
A



B



C



D

A. A

B. B

C. C

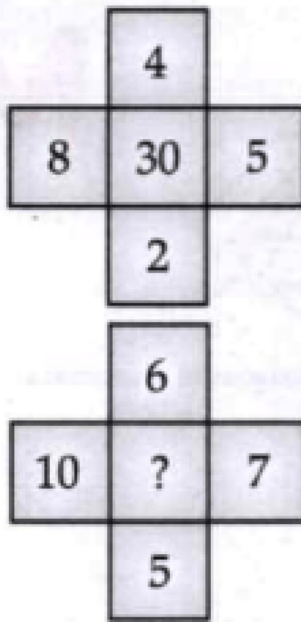
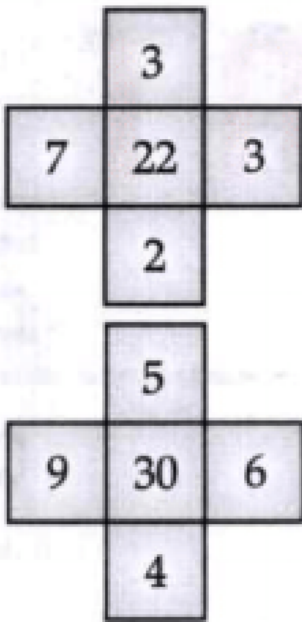
D. D

**Answer: A**



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**15.** Find the missing number '?' in the figure given below



A. 30

B. 32

C. 33

D. 35

**Answer: D**



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**16.** If MOBILE is coded as DFBICE, then CHARGE is coded as :

A. CHBXQE

B. CLARTE

C. CHAIGE

D. CHIAEF

**Answer: C**



17. Which of the following is correct

'A # B' means 'A is the brother of B'.

'A @ B' means 'A is the wife of B'.

'A & B' means 'A is the daughter of B'.

'A % B' means 'A is the sister of B'.

If  $P \% R \& Y @ Z \# M \% N$ , then how is M related to P?

A.  $H @ J \$ L \# P \% K$

B.  $H @ J \$ P \% L \# K$

C.  $H @ J \$ L \# K \% P$

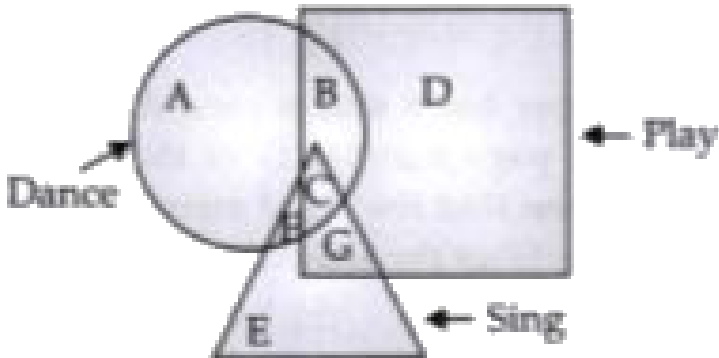
D.  $H @ P \$ J \% L \# K$

**Answer: C**



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18. The following figures represent students who can play, sing and dance



Which part of the figure represents students who can sing and dance ?

A. F



B. C

C. F and C

D. E and G

**Answer: C**



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**19.** Complete the following series 1, - 8, 81, ?,

15625

A. - 1022

B. – 1024

C. – 4094

D. – 4096

**Answer: B**



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**20.** Yaibiren is standing 4 metres East of Rajib, who is 1 metre North of Achira . If Sahibah is standing 3 metres South of Achira, then in which direction of Yaibiren, is Sahibah ?

A. North - East

B. North - West

C. South - East

D. South - West

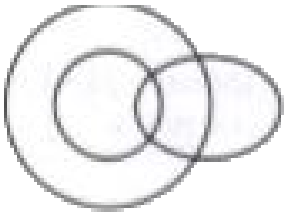
**Answer: D**



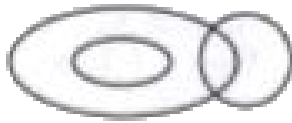
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**21.** Which of the following diagram indicates the best relationship among men, fathers and

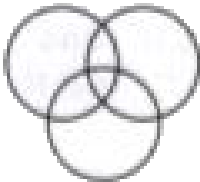
teachers ?



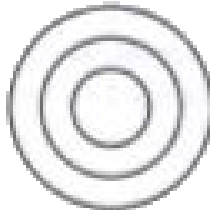
A



B



C



D

A. A

B. B

C. C

D. D

**Answer: A**



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22. Ishan wishes Irfan 'Good Morning' when the hour hand of a (measured clockwise) clock is positioned between 9 and 10. The angle between the two hands is  $145^\circ$ . The time shown by the clock is

A. 9.08AM

B. 9.10AM

C. 9.12AM

D. 9. 15AM

**Answer: B**



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**23.** If ' $15 + 10$  means  $5$ ', ' $6 \times 3$  means  $9$ ', ' $8 \div 4$  means  $32$ ', and ' $12 - 2$  means  $6$ ', then what will be the value of  $27 + 81 - 9 \times 6$ ?

A. 36

B. 24

C. 12

D. 6

**Answer: B**



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**24.** Which number will replace the '?' in the following sequence ?

5, 7, 14, 24, 42, ?, 119

A. 71

B. 67

C. 65

D. 63

**Answer: A**



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**25.** What will be the missing term '?' in the given series ?

AK, FP, ?, PZ, UE, ZJ



A. KU

B. JT

C. JU

D. KV

**Answer: A**



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**26.** The father is 5 years older than the mother.

The difference between total age of father & son and mother & daughter is 15 years . Also

the total age of children is 20 years, then the age of the son is \_\_\_\_\_

A. 10 years

B. 15 years

C. 20 years

D. 25 years

**Answer: A**



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27. If the ninth day of a month is four day earlier than Thursday then what day will it be on the twenty third day of the month ?

A. Monday

B. Wednesday

C. Friday

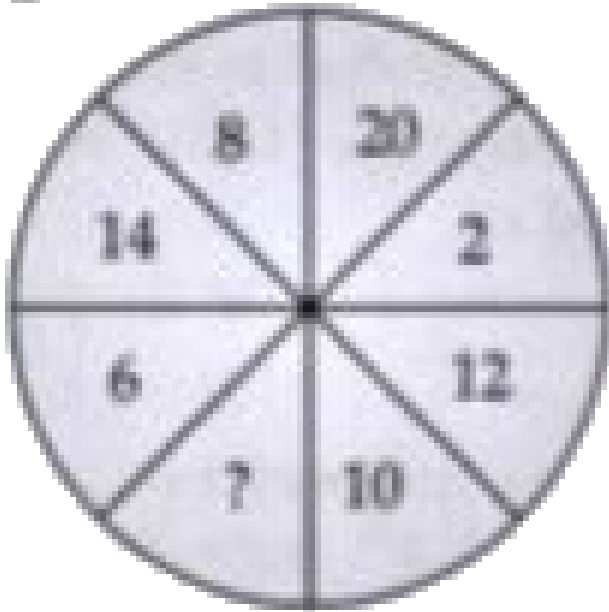
D. Sunday

**Answer: D**



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28. Which number replaces that question mark '?' in the given figure ?



A. 14

B. 16

C. 18

D. 22

**Answer: A**



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**29.** Find the missing value '?' in the following series :

13, 34, 74, ?, 290

A. 168

B. 170

C. 172

D. 174

**Answer: B**



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**30.** What number comes in palce of '?' in the given figure ?

	5	4	3			
	6	4	7	2	2	
7	2	1	7	3	4	1
	6	3	9	5	4	
	9	6	3			

A. 9

B. 8

C. 7

D. 6

**Answer: A**



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31. The following figures represent information given against them .

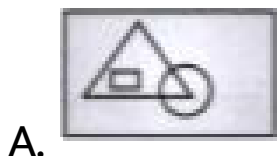
Total number of students who applied for Board Examination.

Total number of students who actually appeared at Board Examination.

Total number of urban students who appeared at Board Examination.

Total number of students who qualified at Board Examination.

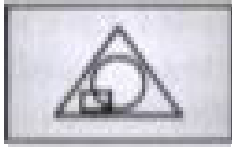
Based on the above information which of the following figures represents the above facts ?







B.



C.



D.

**Answer: C**



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**32.** Five men A, B, C, D and E read a newspaper.

The one who reads first give it to C and the

one who reads last had taken it from A. E was not the first or last to read. There were two readers between B and A. Find the person who read the newspaper last.

A. P

B. Q

C. R

D. S

**Answer: D**



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**33.** A clock shows 05 : 45 . A plane mirror is kept on the right of the clock , with its plane perpendicular to the face of the clock . What time will be shown by the mirror image ?

A. 06 : 45

B. 05 : 15

C. 06 : 15

D. 07 : 15

**Answer: C**



34. In a certain code language " Kolkata is cultural hub of India " is coded as  $\alpha 2463\beta$  and " Mumbai is financial hub of India " is coded as  $\gamma 3472\beta$  . Then in the same language " India is hub of democracy " may be coded as

A.  $\alpha 2439$

B.  $243\gamma 7$

C.  $\beta 3249$

D. 32β47

**Answer: C**



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**35.** Which letter is midway between 13<sup>th</sup> letter from the left and the 4<sup>th</sup> letter from the right in the sequence given below ?

U S B E Y F H K O P R A W C G J M Q D I V L N T X

Z

A. O

B. Q

C. P

D. M

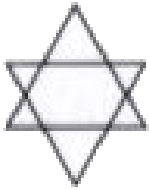
**Answer: B**



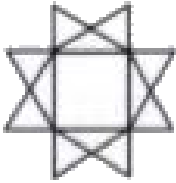
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**36.** Which of the following figure (s) can not be drawn without either lifting the pen or re-

tracing any line ?



A



B



C



D

A. Only a

B. Both A and B

C. Only C

D. Both C and D

**Answer: B**



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37. Find the missing values in place of the questions marks in the given pattern

1	X	5	?	34
1	3	8	21	
Y	2	U	?	H

- A.  $I$   
13
- B.  $N$   
10
- C.  $M$   
13
- D.  $Z$   
18

**Answer: C**





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38. What will be the missing number in the given series ?

1332, 732, 348, \_\_\_\_\_, 36, 12

A. 32

B. 132

C. 148

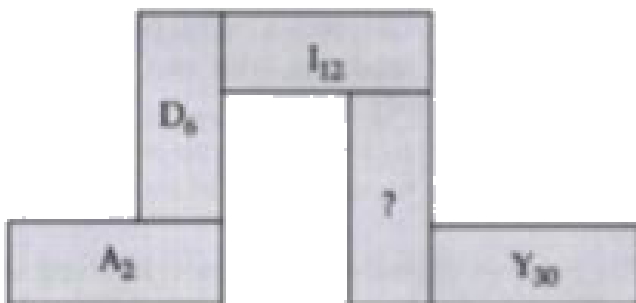
D. 216

**Answer: B**



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39. Find the missing term '?' in the given figure



A.  $N_{10}$

B.  $P_{20}$

C.  $O_{24}$

D.  $Q_{16}$

**Answer: B**



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**40.** If,  $a > b$ ,  $a > 0$ , and  $b \neq 0$ , then which of the following statements is always true ?

A.  $a \times b > 0$

B.  $a \times b < 0$

C.  $a \times b$  is undefined

D.  $a \times b^2 > 0$

**Answer: D**



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**41.** In certain coded language

'way to w ∈ 'iswrienas ∇ aaul(a a a a)

∇ Aa, 'Goul(t o)Walk'iswrienasAaaa ul (a

a a a)` AAAA,

'Get up early' is written as AaAa AaaA aaAA

Then, how can 'Always go to morning walk

early' be written in that coded language ?

A. aaAA Aaaa aaaa aaaA AAaa aaAA

B. aaAA Aaaa aaaa aaaA AAAA aaAA

C. aaAA AaAa aaaa aaaA aaAA AAaa

D. aaaA AaAa aaaa aaAA AAAA aaAA

**Answer: B**



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**42.** If + means  $\times$  ,  $\div$  means - , - means + ,

and  $\times$  means  $\div$  , then  $2 + 12 \times 4 - 6 \div 6$

is equal to \_\_\_\_\_

A. 0

B. 6

C. 12

D. 49

**Answer: B**



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**43.** Find out the two signs to be interchanged for making the following equation correct :

$$5 + 3 \times 8 - 12 \div 4 = 3$$

A. (3,5)

B. (4,12)

C. (3,4)

D. (8,5)

**Answer: C**



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**44.** If  $a, b, c, d$  and  $e$  are positive numbers, and it is given that ,

$$a + b = c + d$$

$$b + d = 2a$$

$$d + e > a + b \text{ and}$$

$$c + d > a + e$$

then, which of the following statement is true

?

A.  $d > a > b > e > c$

B.  $d > b > e > a > c$

C.  $a > b > c > d > e$

D.  $a > d > b > e > c$

**Answer: A**



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**45.** Kashvi facing towards rising sun turned to her left and walks for 60 m. She then turned to west and walked for 15 m . Then she turned towards left at an angle of  $45^\circ$  and reached 95 m from her original position . How much total distance did she travel ?

A. 95 m

B. 115 m

C. 155 m

D. 170 m

**Answer: D**



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**46.** A Cube is coloured on all the six faces with six different colours - black, brown, green , red, yellow, and blue

- Red face is opposite to the black face
- Green face is between red and black faces
- Blue face is adjacent to yellow face
- Brown face is adjacent to blue face

- Red face is in the bottom

Which of the following are adjacent to green ?

A. Black, yellow, brown, red

B. Blue, black, red, yellow

C. Red, black, blue, yellow

D. Yellow, blue, black, red

**Answer: A**



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47. A watch gains 10 seconds in 3 minutes. It was set right at 9 A.M. In the evening of the same day, when the watch indicates half past 6 'o clock , the true time is

A. 5 : 30 : 00 *P. M.*

B. 5 : 54 : 10 *P. M.*

C. 5 : 58 : 20 *P. M.*

D. 6 : 08 : 20 *P. M.*

**Answer: C**



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**48.** Given  $x$  is real and that

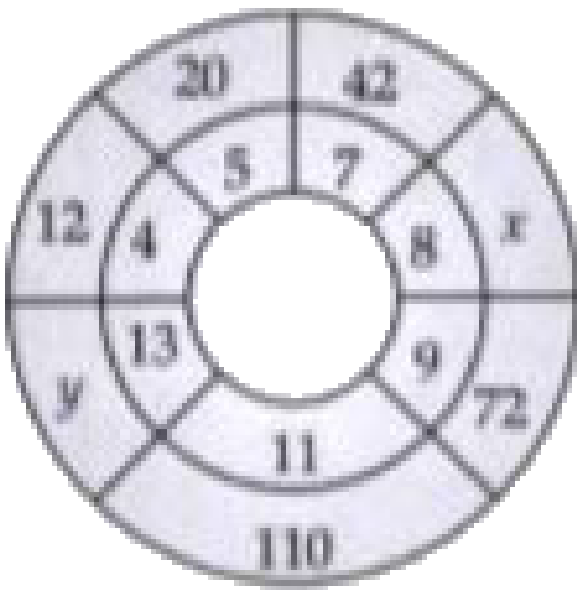
(A)  $x^2 = 49$  , (B)  $x^3 = 343$

Which of the above statements is required to arrive at the conclusion :  $x = 7$ .



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**49.** Find the value of ' $x$ ' and ' $y$ ' from the figure given below



A. 65150

B. 46125

C. 56156

D. 56165

**Answer: C**



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50. In a certain code 'COUNTRY' is written as 'ZSUOVPD' . How is 'TEACHER' written in the same code ?

A. SUTIFED

B. REHCAET

C. QDGBDS

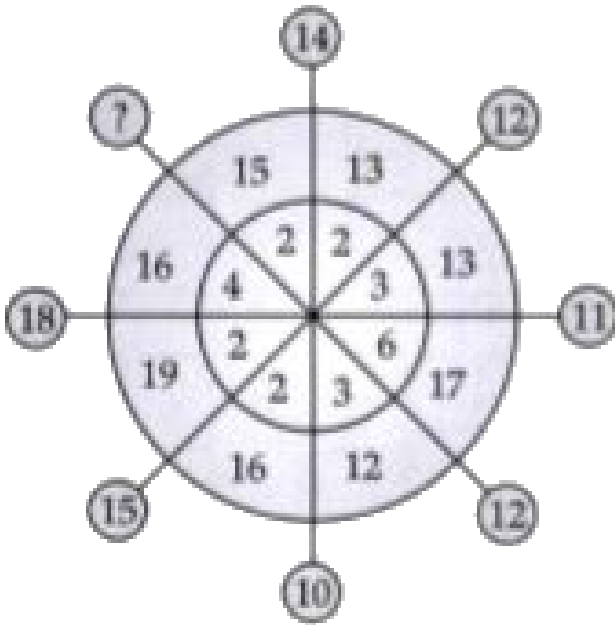
D. SFIDBFU

**Answer: D**



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51. What number should replace the question mark ?



A. 15



B. 14

C. 13

D. 10

**Answer:**



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**52.** J, K L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science, Social Science and Arts, not necessarily in the same order. Each of

them teaches on only one day, from Monday to Saturday, not necessarily in the same order.

J teaches Science on Wednesday. O teaches Math second after J. K teaches on the first day of the week, but teaches neither Hindi nor English. M teaches English before N and L teaches Arts before J. Which subject is taught on Thursday?

A. Tamil

B. Hindi

C. Manipuri

## D. Malayalam

**Answer: B**



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**53.** J, K L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science. Social Science and Arts, not necessarily in the same order. Each of them teaches on only one day, from Monday to Saturday. not necessarily in the same order.

J teaches Science on Wednesday. O teaches Math second after J. K teaches on the first day of the week, but teaches neither Hindi nor English. M teaches English before N and L teaches Arts before J. Who teaches on Saturday ?

A. Monday

B. Friday

C. Wednesday

D. Sunday

**Answer: B**



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54. J, K, L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science, Social Science and Arts, not necessarily in the same order. Each of them teaches on only one day, from Monday to Saturday, not necessarily in the same order.

J teaches Science on Wednesday. O teaches Math second after J. K teaches on the first day of the week, but teaches neither Hindi nor English. M teaches English before N and L

teaches Arts before J. Who teaches on Saturday ?

A. Manipuri

B. Kannada

C. Tamil

D. English

**Answer: A**



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55. J, K L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science. Social Science and Arts, not necessarily in the same order. Each of them teaches on only one day, from Monday to Saturday. not necessarily in the same order.

J teaches Science on Wednesday. O teaches Math second after J. K teaches on the first day of the week, but teaches neither Hindi nor English. M teaches English before N and L teaches Arts before J. Who teaches on Saturday ?

A. Hindi

B. English

C. Kannada

D. Konkani

**Answer: B**



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**56.** J, K L, M, N and O are six teachers. Each one teaches a different subject out of Hindi, English, Math, Science. Social Science and Arts,



not necessarily in the same order. Each of them teaches on only one day, from Monday to Saturday. not necessarily in the same order.

J teaches Science on Wednesday. O teaches Math second after J. K teaches on the first day of the week, but teaches neither Hindi nor English. M teaches English before N and L teaches Arts before J. Who teaches on Saturday ?

A. Saturday

B. Tuesday

C. Wednesday

D. Thursday

**Answer: C**



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**57.** On morning at 8 A. M. Navneet and Ravneet were standing on a lawn with their back towards each other at the distance of 100m . Navneet's shadow fell exactly towards his left hand side. After 15 minutes, Ravneet turns

$135^\circ$  anti - clockwise . Which direction Ravneet is facing now ?

- A. North - East
- B. North - West
- C. East
- D. South - East

**Answer: A**



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**58.** Find the missing number

2, 3, 7, \_\_\_\_\_, 2112

A. 36

B. 45

C. 46

D. 49

**Answer: C**



**Watch Video Solution**

59. In a code BH = 16 , DO = 60 and TA = 20 ,  
then the code for BAT = ?

A. 20

B. 30

C. 40

D. 60

**Answer: C**



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60. The figure given below is prepared by some sticks and provides an equation that is incorrect

How many minimum numbers of sticks must be removed from the left hand side to make it a correct equation ?

$$86 + 36 + 98 = 100$$

A. 1

B. 2

C. 3

D. 4

**Answer: C**



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**61.** If 63578 is to 1415,

56732 is to 185,

and 34124 is to 86,

then, 72648 is to ?

A. 1215

B. 1415

C. 1512

D. 1514

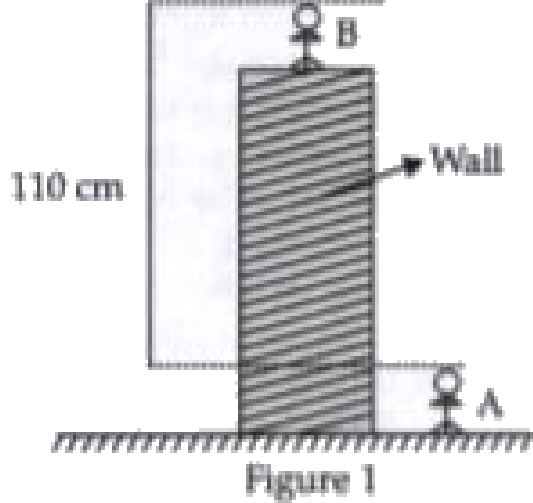
**Answer: C**



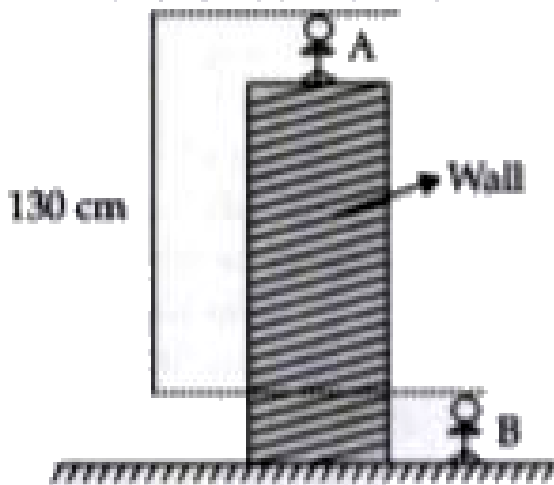
**Watch Video Solution**

**62.** Two friends Mr. A and Mr. B stand according to figure 1 . The two friends then interchange their positions as given in figure 2





The height of the wall from the ground is \_\_\_\_\_



- A. 115 cm
- B. 120 cm

C. 127.5 cm

D. 130 cm

**Answer: B**



**Watch Video Solution**

**63.** In a certain coding scheme, consonants and vowels are coded differently as illustrated below :

C is coded as 6

Z is coded as 52

E is coded as 9

O is coded as 29 .

Then find the sum of numerals in the codes version of FAITH

A. 84

B. 85

C. 86

D. 87

**Answer: C**



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**64.** In a class 20 % of students are below 14 years of age . Out of the remaining students 10 % are of the age 14 - 15years and ratio of students who are between 15 - 16 years of age to student above 16 years of age is 3 : 2 . If the number of students who are above 16 years is 72 , what is the total number of students in the class ?

A. 200

B. 250

C. 300

D. 400

**Answer: B**



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**65.** Five friends decided to play a game of badminton. Each of the five plays against every other friend. The winner gets two points for each game he or she wins and the loser

gets zero . Then which of the following cannot represent the scores of five friends ?

A. 4, 4, 4, 4, 4

B. 6, 4, 4, 4, 2

C. 8, 8, 2, 2, 0

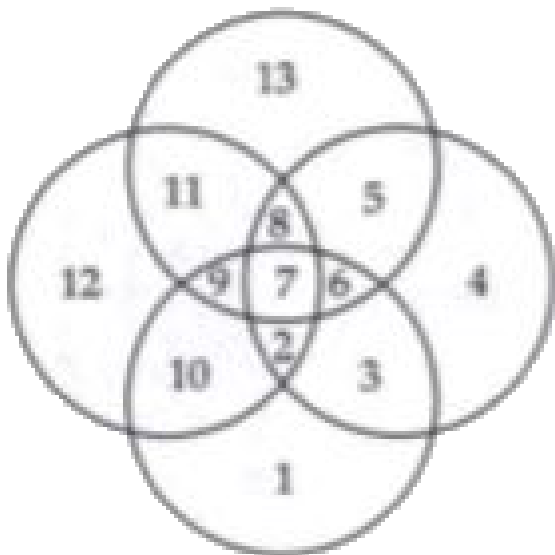
D. 6, 6, 4, 2, 2

**Answer: C**



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66. Study the given figure and answer the following questions :



Let  $x$  denote sum of number present in at least 2 circles and  $y$  denote sum of numbers present in exactly 3 circles . Then  $x - y = \underline{\hspace{2cm}}$

A. 11

B. 25

C. 36

D. 61

**Answer: C**

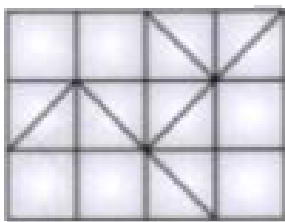
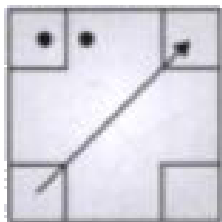


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**67.** choose the correct mirror image of the following figure, if the mirror is placed as



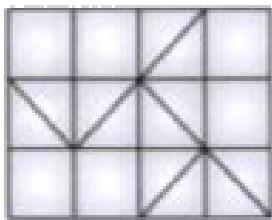
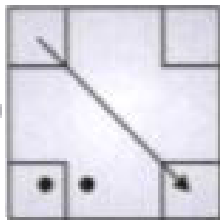
shown .



Mirror



(a)



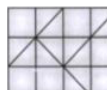
A.



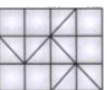
B.



C.



D.

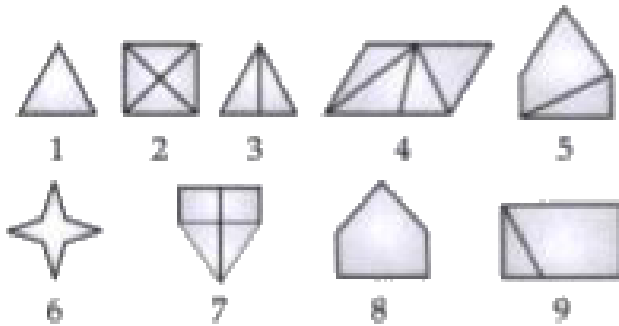


**Answer: A**



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**68.** Observe the figures given below :



Based on the above figures identify the correct group of categorization ?

**A. 1, 3, 6, 2, 4, 9, 5, 7, 8**

B. 1, 2, 3, 4, 5, 8, 6, 7, 9

C. 1, 6, 8, 3, 5, 9, 2, 4, 7

D. 1, 3, 6, 2, 5, 7, 4, 8, 9

**Answer: C**



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**69.** Raju invited friend George for a dinner at his house. When George asked for the direction of

Raju's house, Raju gave him the following

instruction .

Proceed 140 metres south from your house then walk 200 metres to east. Then turn to north and walk 100 metres. After that , walk 160 metres to west

What is the shortest distance between the two houses and the direction to Raju's house from George's house ?

A.  $40\sqrt{2}$  metres and north-west

B.  $40\sqrt{2}$  metres and south - east

C. 80 metres and south - east

D. 80 metres and north - west

**Answer: B**



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**70.** In a code language if 'APPEAL' is coded as '256572' and 'PLAY' is coded as '7259' then in the same language 'PEARL' will be coded as (each number code stands for unique alphabet ) \_\_\_\_\_

A. 2 5 7 6 8

B. 2 5 3 8 7

C. 6 7 5 2 2

D. 2 5 6 7 9

**Answer: A**



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**71.** What are the marks scored by Abhijit in English?

I. Marks scored by Abhijit in Mathematics are more than his marks in Science by 20

II. Total marks scored by Abhijit in Mathematics, Science and English are 197.

III. Marks scored by Abhijit in Science are more than his marks in English by 12

A. Sahir and Ujith

B. Amelia and Amelia

C. Ujith and Sahir

D. Ujith and Ujith

**Answer: B**



**Watch Video Solution**

**72.** The focus of the parabola



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**73.** Five students Ujith, Mahi, Rizan, Sahir and Amelia appeared for an examination in English and Mathematics .

I. Sahir score more marks than Amelia in Mathematics but scored less in English than Ujith and Mahi

II. In Mathematics Rizan scored more marks



than Amelia but less than what Mahi has scored .

III. Amelia scored more than Rizan in English and Rizan scored more than Mahi in English

IV. Ujith scored more than Mahi in Mathematics but less than Rizan in English

V. Sahir scored less in Mathematics and top scorer in English are respectively

Which of the following is necessarily correct ?

A. Razan scored more than Sahir in Mathematics

B. Ujith scored more than Sahir both in  
Mathematics and English

C. Sahir scored more than Ujith in  
Mathematics

D. Rizan scored more than Ujith both in  
English and Mathematics

**Answer: B**



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74. The third day before 1st January 2019 was Saturday . Which day will the fourth day of March 2020 be ?

A. Friday

B. Saturday

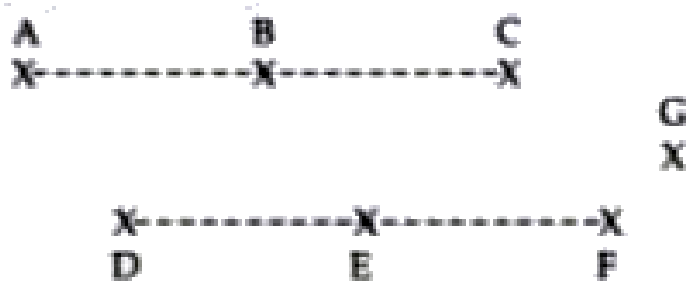
C. Wednesday

D. Thursday

**Answer: C**



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How many maximum numbers of triangles can be formed with the seven points A, B, C, D, E, F, and G ?

A. 21

B. 24

C. 33

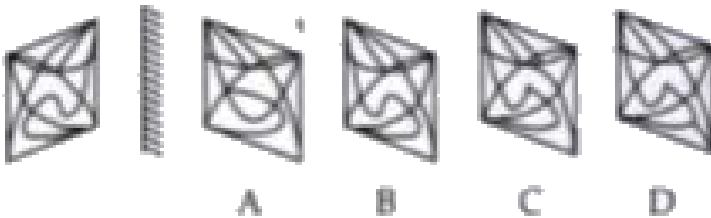
D. 36

**Answer: C**



**Watch Video Solution**

**76.** Find the correct mirror image for the following problem figure from the alternatives



A. A

B. B

C. C

D. D

**Answer: B**



**Watch Video Solution**

**77.** A circular disc is cut into two parts. One of the parts is given as the question figure . Which is the other part ? Select from the

options .



A



B



C



D

A. A

B. B

C. C

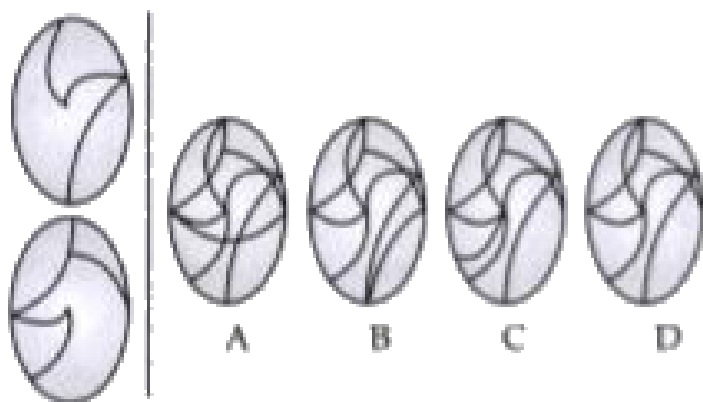
D. D

**Answer: C**



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78. Two figures on transparent sheets are given on the left side. When the upper figure is exactly placed on the lower figure, find from the option figures how the resultant looks like



A. A

B. B

C. C



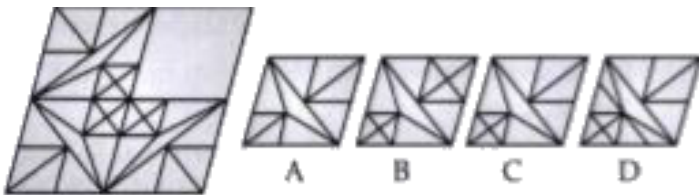
D. D

**Answer: D**



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**79.** Find the missing part of the given figure from the alternatives which completes the pattern .



**A. A**

B. B

C. C

D. D

**Answer: C**



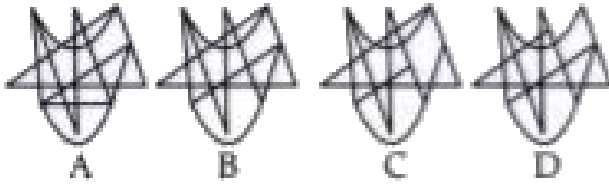
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**80.** Find the correct water image for the following problem figure choosing from the

alternatives .



Water, 



A. A

B. B

C. C

D. D

**Answer: B**





**81.** In the following questions , there are statements followed by conclusions . Choose the conclusions which must logically follow from the given statements .

Statements :

1. Some grandmothers are mothers
2. Some mother are daughters
3. All the daughters are married women

Conclusions :

- I. Some married women are mothers

II. Some daughters are grandmothers

III. No daughter is grandmother

IV. Some mothers are grandmothers

A. Only I and II

B. Only II and III

C. Only II and IV

D. Only I and IV

**Answer: D**



**Watch Video Solution**

**82.** In the following questions , there are statements followed by conclusions . Choose the conclusions which must logically follow from the given statements .

Statements :

1. Some students are smart - working
2. All intelligent are smart - working
3. All the teachers are students .

Conclusions :

- I. Some students are intelligent
- II. No teacher is smart - working
- III. Some intelligent are students .

A. Either I or II

B. Only I and II

C. None of I, II and III

D. Only I and III

**Answer: C**



**Watch Video Solution**

**83.** In the following questions , there are statements followed by conclusions . Choose the conclusions which must logically follow

from the given statements .

Statements :

1. Some students are orators .
2. All orators are goalkeepers .
3. Some goalkeepers are honest

Conclusions :

- I. Some students are honest
- II. Some goalkeepers are students

A. Only conclusion I

B. Only conclusion II

C. Both conclusion I and II



D. Neither conclusion I nor II

**Answer: B**



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**84.** In the following questions , there are statements followed by conclusions . Choose the conclusions which must logically follow from the given statements .

Statements :

1. Some men are women

2. All women are techers

3. Some teachers are doctor .

Conclusions :

I. Some doctors are women

II. Some teachers are women

III. Some teachers are men

IV. Some doctors are men

A. Only I and II

B. Only I and IV

C. Only II and III

D. Only III and IV

**Answer: C**



**Watch Video Solution**

**85.** In the following questions , there are statements followed by conclusions . Choose the conclusions which must logically follow from the given statements .

Statements :

1. Some candidates are students .
2. All children are citizens
3. All citizens are candidates

Conclusions :

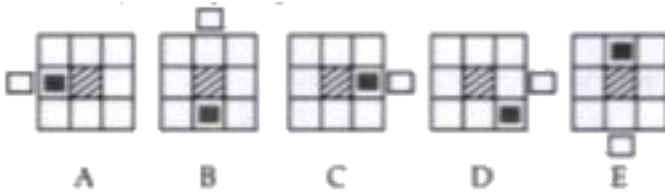
- I. Some citizens are students
- II. Some candidates are children
- III. All children are candidates
- IV. No child is student

- A. Only I and II
- B. Only II and III
- C. Only III and IV
- D. Only I, II and III

**Answer: B**



86. Study the figure given below



Find which figure is to be removed , starting from A, so that all fit into a pattern .

A. B

B. C

C. D

D. E

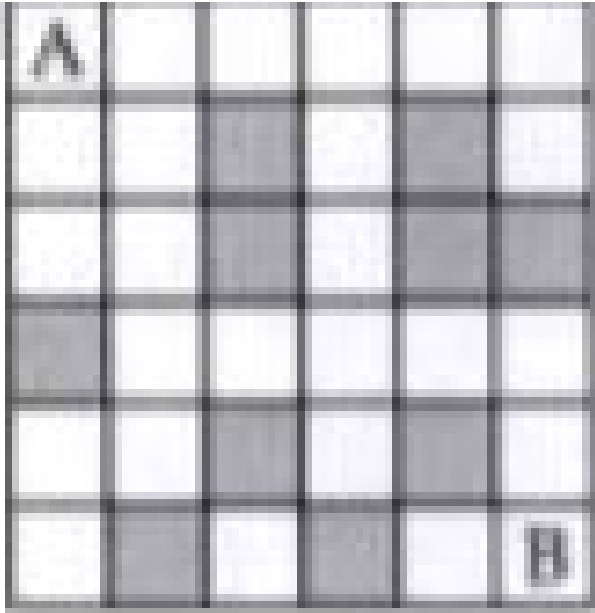
**Answer: C**



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**87.** What is the minimum number of unshaded boxes to be crossed for covering the shortest path from 'A' to 'B' (both exclusive) without retracing the path and

without diagonal movements ?



A. 8

B. 9

C. 10

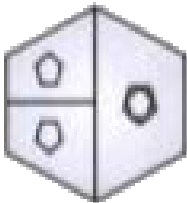
D. 11

Answer: B

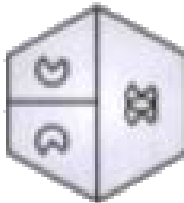


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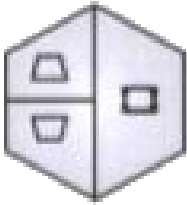
88. Observe the figures given below :



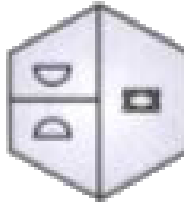
A



B



C



D

The odd one out from the given figure is \_\_\_\_

A. A



B. B

C. C

D. D

**Answer: B**



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**89.** A river flows along the East - West direction . On a particular day in the morning Kisku was seen at a place 'A' located on the northern side of the river and on the same evening he was

seen at a place 'B' located on the southern side of the river .

Following are the comments made by four friends - Paulomi , Mimee, Sabeena and Grayson .

I. Paulomi said, Kisku must have crossed the river only once

II. Sabeena said, Kisku might have crossed the river four times

III. Mimeen said, he might have crossed it five times .

IV. Grayson said, he might have crossed it any number of times

Choose the correct alternative from the following :

- A. Only I is correct
- B. Only II is correct
- C. I or III is correct
- D. I and II are correct

**Answer: C**



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**90.** In a town of 1000 people 570 read Hindi newspaper, 424 read English newspaper and 254 read Punjabi newspaper. 40 read only Hindi and Punjabi newspaper , 58 read only Hindi and English newspaper , and 70 read only Punjabi and English newspaper 100 read no newspaper .

How many people read only one newspaper ?

How many people read only one newspaper ?

A. 570

B. 642

C. 914

D. 968

**Answer: B**



**Watch Video Solution**

**91.** In a town of 1000 people 570 read Hindi newspaper, 424 read English newspaper and 254 read Punjabi newspaper. 40 read only Hindi and Punjabi newspaper , 58 read only Hindi and English newspaper , and 70 read

only Punjabi and English newspaper 100 read  
no newspaper.

How many people read all the three  
newspaper ?

A. 40

B. 58

C. 70

D. 90

**Answer: D**



**Watch Video Solution**

92. Complete the given letter analogy

LTFQIW : YGSJVD :: DOIYKV : ?

A. QBVIXL

B. WLRBCI

C. QLVBXE

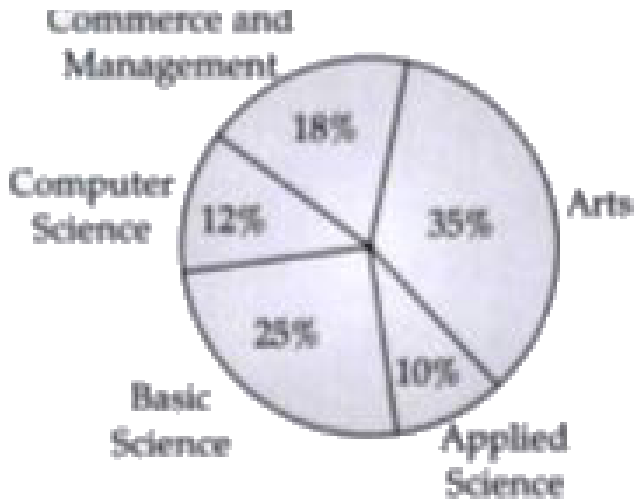
D. QBVLXJ

**Answer: A**



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93. The given pie - diagram shows the stream opted by students at senior - secondary level



If sum of the angles for the students who opted different streams is  $144^\circ$  then the streams are \_\_\_\_\_

A. Arts, Applied Sciences



B. Basic Sciences, Computer Science

C. Basic Sciences, Commerce and  
Management

D. Applied Sciences, Computer Science,  
Commerce and Management

**Answer: D**



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94. If the signs, + and  $\div$  and the numbers, 4 and 5 are interchanged, then the correct relation is:

(p)  $24 + 8 \times 4 = 20 \div 5$

(q)  $20 \div 5 - 6 = 3 \times 30 + 4$

A. (p)

B. (q)

C. both (p) and (q)

D. neither (p) nor (q)

**Answer: D**



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**95.** There are 20 steps to go to the first floor of a building from the ground floor .

A child starts climbing up from the first step of the ground level . Mother starts coming down from the fourth step from the floor level of the first floor .

If both have started at the same time with same speed, at which step would they meet counting from the first steps from the floor level of the first floor ?

A. 9

B. 10

C. 11

D. 12

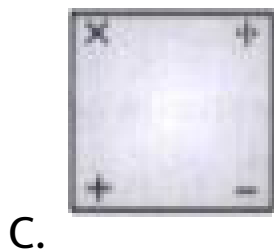
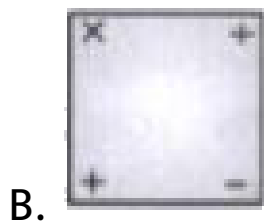
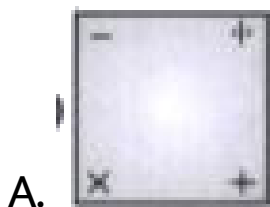
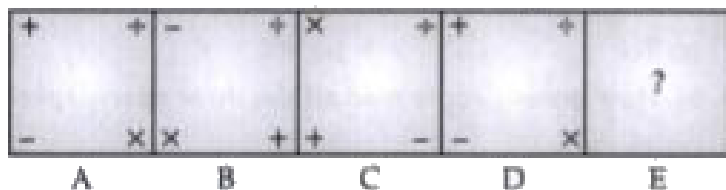
**Answer: D**

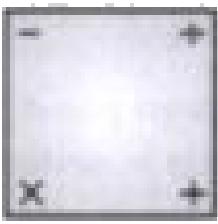


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**96.** The following questions consists of four problem figures marked as A, B, C and D .  
Select a figure In place of '?' for E which will

continue the series established by the four problem figures A, B, C, D





D.

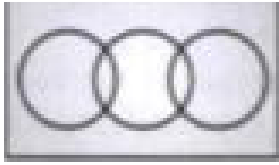
**Answer: D**



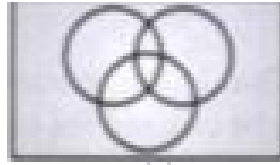
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**97.** Which one of the following venn diagrams represents the relation among men, doctors

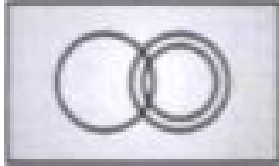
and patients in a hospital ?



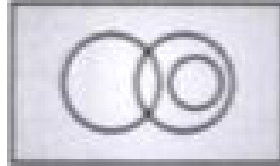
A



B



D



C

A. A

B. B

C. C

D. D

**Answer: B**



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