



# MATHS

## BOOKS - OSWAL PUBLICATION

### MAT STAGE I 2019-2020

#### Question Part

1. If  $\frac{a}{3} = \frac{b}{5} = \frac{c}{7}$ , then value of  $\frac{a + b + c}{b}$

will be:

A. 7

B. 3

C. 10

D. 5

**Answer: B**



**Watch Video Solution**

2. If  $\sqrt{17 + x\sqrt{11}} = \sqrt{11} + \sqrt{6}$ , then value of  $x^2$  will be:

A.  $\sqrt{11}$

B. 23

C.  $\sqrt{6}$

D. 24

**Answer: D**



**Watch Video Solution**

**3.** P and Q can do a piece of work in 10 days, Q and R can do same work in 15 days, R and P can

do the same work in 20 days. Then in how many days R will complete it alone.

A. 115 days

B. 110 days

C. 130 days

D. 120 days

**Answer: D**



**Watch Video Solution**

4. If P denote +, Q denotes -, R denotes x and S denotes +, Find the value of  $8P8P8S8Q8$  ?



[Watch Video Solution](#)

5. If a and b are the roots of  $x^2 - 2x - 1 = 0$ , then value of  $a^2b + ab^2$  is:

A.  $-2$

B.  $2$

C.  $\frac{1}{2}$

D. 4

**Answer: A**



**Watch Video Solution**

**6.** A vessel contains 60 litres of milk. 12 litres of milk is taken out from it and replaced by water. Then again from mixture, 12 litres is again taken out and replaced by water. The ratio of milk and water in the resultant mixture is :

**A. 28.4 l**

B. 21.6 l

C. 36 l

D. 38.4 l

**Answer: D**



**Watch Video Solution**

7. In a row of boys, A is 20th from left and B is 16th from right, interchange their position, then A becomes 30th from left How many boys are there in the row ?

A. 46

B. 44

C. 45

D. 48

**Answer: C**



**Watch Video Solution**

**8.** At what time between 8 and 9 will be hands of a clock be together ?



A. 40 minutes past 8

B.  $43\left(\frac{7}{11}\right)$  minutes past 8

C.  $43\left(\frac{8}{11}\right)$  minutes past 8

D.  $44\left(\frac{10}{11}\right)$  minutes past 8

**Answer: B**



**View Text Solution**

9. Two pipes A and B can fill a tank in 12 and 15 minutes respectively. A third pipe C can empty it in 10 minutes. How long will it take to fill in

the tank if all pipes are opened simultaneously

?

A. 20 minutes

B. 30 minutes

C. 40 minutes

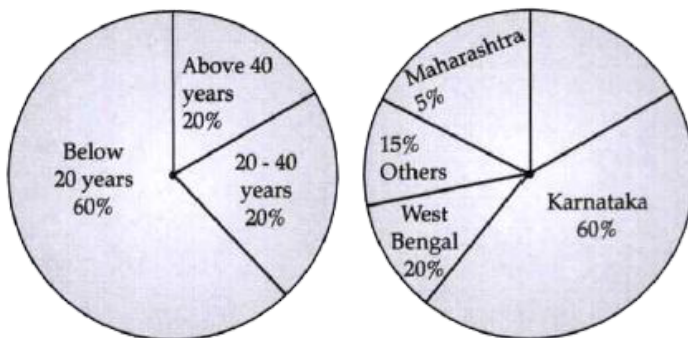
D. 25 minutes

**Answer: A**



**Watch Video Solution**

10. The pie chart describes the characteristics of India visiting UK from various states during given year. Answer the following question given below : Assume that the age wise distribution data applies to all states and that in the given year, 1,00,000 Indian visited UK:



Number of visitor from Karnataka in the age group of 20-40 years.

A. 20000

B. 18000

C. 12000

D. None of these

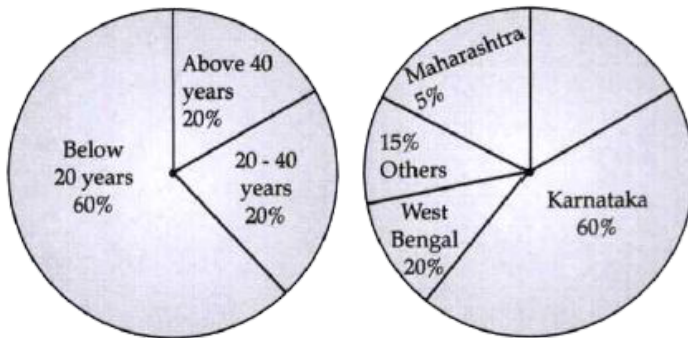
**Answer: C**



**Watch Video Solution**

**11.** The pie chart describes the characteristics of India visiting UK from various states during given year. Answer the following question

given below : Assume that the age wise distribution data applies to all states and that in the given year, 1,00,000 Indian visited UK:



Number of visitors from Maharashtra below the age of 20 years.

A. 3999

B. 5000

C. 6000

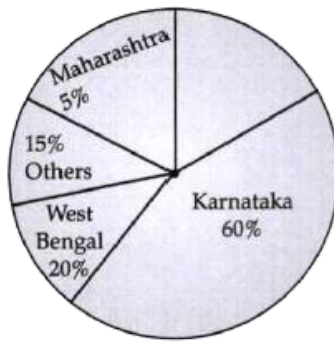
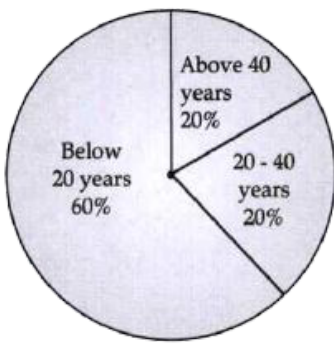
D. 8000

**Answer: A**



**Watch Video Solution**

**12.** The pie chart describes the characteristics of India visiting UK from various states during given year. Answer the following question given below : Assume that the age wise distribution data applies to all states and that in the given year, 1,00,000 Indian visited UK:



How many visitors were below 20 years of age but were neither from Karnataka, nor Maharashtra or West Bengal ?

- A. 7000
- B. 15000
- C. 9000
- D. 6000

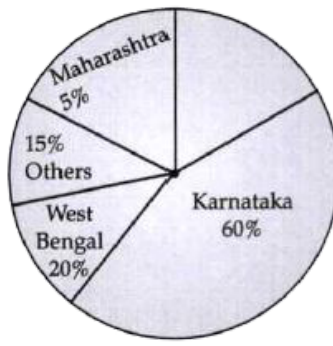
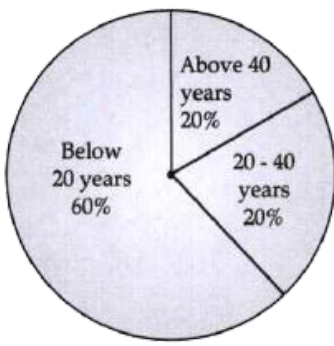
**Answer: C**



**Watch Video Solution**

**13.** The pie chart describes the characteristics of India visiting UK from various states during given year. Answer the following question given below : Assume that the age wise distribution data applies to all states and that in the given year, 1,00,000 Indian visited UK:





The ratio of visitor from West Bengal below 20 years to visitor from Maharashtra above 40 years in:

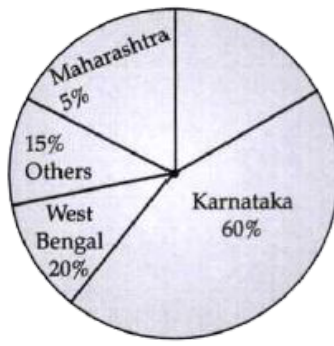
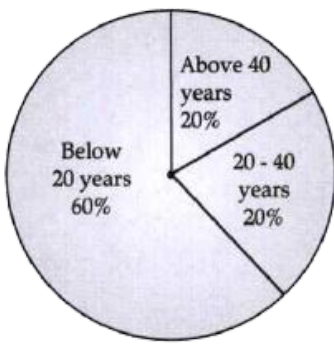
- A. 1 : 3
- B. 12 : 1
- C. 3 : 4
- D. 3 : 1

**Answer: B**



**Watch Video Solution**

**14.** The pie chart describes the characteristics of India visiting UK from various states during given year. Answer the following question given below : Assume that the age wise distribution data applies to all states and that in the given year, 1,00,000 Indian visited UK:



Find the difference between visitors from West Bengal and Maharashtra in the age group of 20 - 40 years.

- A. 4000
- B. 6000
- C. 3000
- D. 8000

**Answer: C**



**Watch Video Solution**

**15.** Complete the pattern.

100, 50,  $33\left(\frac{1}{3}\right)$ , 25, 20, ?

A. 15

B.  $16\left(\frac{1}{3}\right)$

C.  $17\left(\frac{2}{3}\right)$

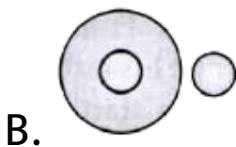
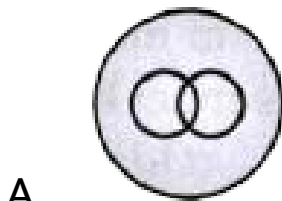
D.  $16\left(\frac{2}{3}\right)$

**Answer: D**



**Watch Video Solution**

**16.** Which of the following Venn diagrams correctly represents house, kitchen and bathroom ?





C.



D.

**Answer: C**



**Watch Video Solution**

**17.** Read the information given below carefully:

A is the son of B. B's sister C has a son of D

and a daughter E. F is maternal uncle of D.

How is A related to D ?

A. Cousin

B. Nephew

C. Brother

D. Uncle

**Answer: A**



**Watch Video Solution**

**18.** Read the information given below carefully:

A is the son of B. B's sister C has a son of D and a daughter E. F is maternal uncle of D.

How is E related to F ?

A. Sister

B. Daughter

C. Niece

D. Wife

**Answer: C**



Watch Video Solution



19. (i) A is the son of B

(ii) C who is the sister of B has a son D and a daughter E

(iii) F is the maternal uncle of D.

How many nephews does F have?

A. 0

B. 1

C. 2

D. 3

**Answer: C**



**Watch Video Solution**

**20.** A, B, C and D are playing carom C, A and D, B are partners. D is to the right of C, C is facing west. Then, B is facing which direction ?

A. North

B. South

C. East

D. West

**Answer: A**



**Watch Video Solution**

21. If it was Saturday on 17th December, 2002, then what was the day on 22nd December, 2004 ?

A. Monday

B. Sunday

C. Friday

D. Tuesday

**Answer: B**



**Watch Video Solution**

**22.** If  $A + B > C + D$  and  $D + A < B + C$ ,  
then

A.  $D > B$

B.  $C > D$

C.  $A > D$

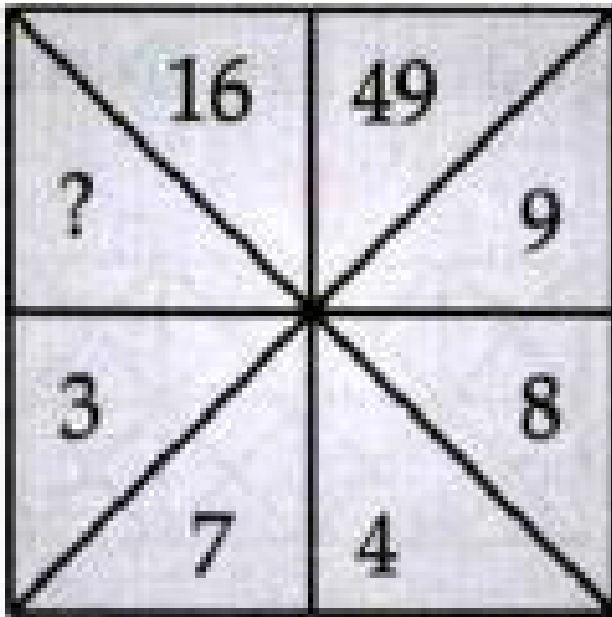
D.  $B > D$

**Answer: D**



**Watch Video Solution**

**23.** Find the missing term.



A. 49

B. 64

C. 96

D. 56

**Answer: B**



**Watch Video Solution**

**24.** A letter series is given below, in some letters are missing. Find the proper sequence

and fill the missing letters

BAA \_ AAB \_ A \_ A \_ BAA \_

A. BABAB

B. AABBA

C. ABABA

D. ABAAB

**Answer: A**



**Watch Video Solution**

25. Choose the number pair/group which is different from others.

A. 1,5,2

B. 1,5,2

C. 2,20,4

D. 3,27,4

**Answer: D**



**Watch Video Solution**



**26.** Pointing towards a lady in a photograph Ram said "She is the daughter of the only son of my grandfather". How lady is related to Ram ?

A. Sister

B. Mami (Aunt)

C. Niece

D. Cousin

**Answer: A**



**Watch Video Solution**

27. Find the missing term....

<b>A</b>	<b>E</b>	<b>K</b>
<b>G</b>	<b>K</b>	<b>Q</b>
<b>M</b>	<b>Q</b>	<b>?</b>

A. G

B. W

C. X

D. V

**Answer: B**



**Watch Video Solution**

**28. Fan : Sweat :: ? : ?**

A. Rain : Drought

B. Fire : smoke

C. wind : Evaporation

D. Walk : Dance

**Answer: A**



Watch Video Solution

29. Choose the best alternate in place of '?'

$$\frac{T}{J} : 2 :: \frac{X}{H} : ?$$

A. 2

B. 4

C. 3

D.  $\frac{23}{7}$

**Answer: C**



30. Which term comes next in the series ?

YEB, WFD, UHG, SKI....

A. QGL

B. TOL

C. QOL

D. QNL

**Answer: C**



**31.** I am facing South. I turn right and walk 20 m. Then, I turn right again and walk 10 m. Then, I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walk 60 m. In which direction am I from the starting point?

A. North-west

B. North-east

C. North

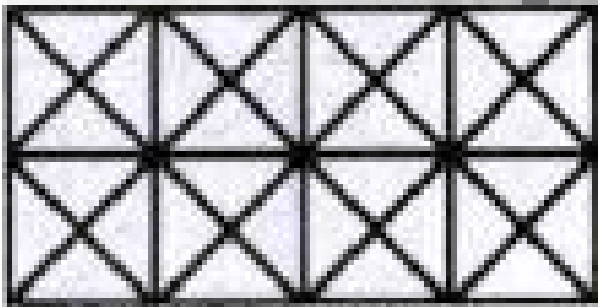
D. West

**Answer: B**



**Watch Video Solution**

**32.** How many squares are there in the given figure ?



**A. 11**

B. 21

C. 24

D. 26

**Answer: C**



**Watch Video Solution**

**33.** If CHARACTER is written 241612376 and CHILDREN is written 24859670 in sign language, then what will be written for HIRALAL ?



A. 4861551

B. 4861515

C. 48651551

D. 4681515

**Answer: B**



**Watch Video Solution**

**34.** If the third Friday of a month is 16th what date is the fourth Tuesday of that month?

A. 20

B. 22

C. 27

D. 29

**Answer: C**



**Watch Video Solution**

**35.** A, B, C, D, E and F are sitting around a round table facing its centre.

(1) C is just left of E

(2) A is the only one between D and E

(3) B is sitting opposite E

(4) D is the only one between A and B Then

where is F sitting ?

A. Between B and D

B. Between A and D

C. Between B and C

D. Between A and C

**Answer: C**



**Watch Video Solution**

**36.** Six elephants P, Q, R, S, T and U are weighed. The elephant U is heavier than R but lighter than T. Elephants P and S are of same weight. Elephant Q is lighter than P and R is heavier than S. Which one of the elephants is the heaviest ?

A. Q

B. T

C. R

D. U

**Answer: B**



**Watch Video Solution**

**37.** The minute hand of a clock in the horizontal plane is on the number 6 of the clock and is pointing towards west. If the hour-hand is pointing towards southeast, what time will the clock show exactly after three hours from now ?

A. 1.30 hours

B. 4.30 hours

C. 7.30 hours

D. 10.30 hours

**Answer: B**



**View Text Solution**

**38.** The interchange of which of the given numbers/signs in the alternatives will make the given equation meaningful ?

$$(20 + 3) \times 6 + 8 - 32 = 76$$

A. 8 and 6

B. + and -

C. 3 and 8

D.  $\times$  and +

**Answer: D**



**Watch Video Solution**

**39.** Find the set of figures which have similar characteristics, choosing from the given

alternatives.



A



B



C



D



E



F

A. A and C

B. B and E

C. D and A

D. F and D

**Answer: C**



**Watch Video Solution**



40. It  $A \times B$  means A is to the south of B ,  $A + B$  means A is to the north of B ,  $A \% B$  means A is to the east of B ,  $A - B$  means A is to the west of B , then in  $P \% Q + R - S$ , S is in which direction with respect to Q ?

A. South-west

B. South-east

C. North-east

D. North-west

**Answer: B**



41. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through  
145° (b) 150° (c) 155° (d) 160°

A.  $145^\circ$

B.  $150^\circ$

C.  $155^\circ$

D.  $160^\circ$

**Answer: C**





Watch Video Solution

**42.** A child is looking for his father. He went 90 metres in the east before turning to his right. He went 20 metres before turning to his right again to look for his father at his uncle's place 30 metres from this point. His father was not there. From here he went 100 metres to his north before meeting his father in a street. How far did the son meet his father from the starting point ?

A. 80 m

B. 100 m

C. 140 m

D. 260 m

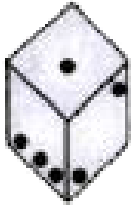
**Answer: B**



**Watch Video Solution**

**43.** Based in the given position of the dice find the number of dots on the face opposite to

the face with one dot.



(i)



(ii)



(iii)

A. 2

B. 3

C. 4

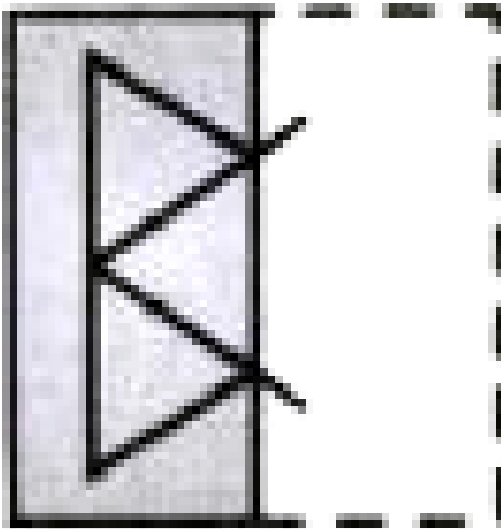
D. 6

**Answer: D**



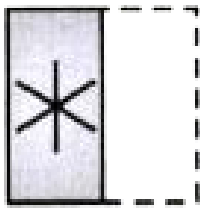
**Watch Video Solution**

44. Find out from the four alternative as to how the pattern would appear when the transparent sheet is folded at the dotted line.

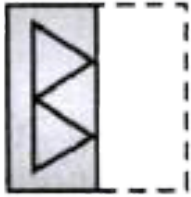


A.

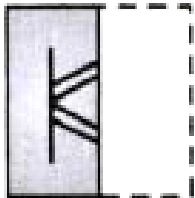
B.



C.



D.



**Answer: C**



**Watch Video Solution**

45. In a certain codes

$$2 \times 3 = 56, 5 \times 6 = 1130, 8 \times 9 = 1772,$$

then  $4 \times 1 = ?$

A. 54

B. 45

C. 55

D. 44

**Answer: A**



**Watch Video Solution**



**46.** There are four prime numbers written in ascending order. The product of the first three is 1001 and that of the last three is 2431. The last number is :

A. 17

B. 19

C. 23

D. 13

**Answer: A**



**Watch Video Solution**

47. Traffic light at three different road crossings change after every 48 sec, 72 sec and 108 sec respectively. If they all change simultaneously at 7:00:00 hours, then at what time will they again change simultaneously ?

A. 7: 14: 00 hours

B. 7: 14: 12 hours

C. 7: 07: 12 hours

D. 7:09:12 hours

**Answer: C**



**Watch Video Solution**

**48.**

$$\frac{1}{5 \times 6} + \frac{1}{6 \times 7} + \frac{1}{7 \times 8} + \dots + \frac{1}{24 \times 25}$$

?

A. 0.36

B. 0.16

C. 0.0016

D. 1.6

**Answer: B**



**Watch Video Solution**

**49.** Given that  $\sqrt{13} = 3.605$  and

$\sqrt{130} = 11.40$  , find the value of

$\sqrt{1.3} + \sqrt{1300} + \sqrt{0.013}$  . (a) 36.164 (b)

36.304 (c) 37.164 (d) 37.304

A. 37.34

B. 37.034

C. 37.0034

D. 37.304

**Answer: D**



**Watch Video Solution**

**50.** A lead pencil is in the shape of right circular cylinder. The pencil is 28 cm long and

its radius is 3 mm. If the lead is of radius 1 mm,  
the volume of the wood used is:

A.  $0.352\text{cm}^3$

B.  $7.04\text{cm}^3$

C.  $3.52\text{cm}^3$

D.  $70.4\text{cm}^3$

**Answer: B**



**Watch Video Solution**

51. Complete the given series :

25,245,2545,25455,...

A. 254545

B. 25555

C. 254555

D. 255454

**Answer: A**



**Watch Video Solution**

52. If SKY WAS BLUE' is 123

SEA IS BLUE' is 245

PEOPLE SWIMMING IN SEA' is 4678

PEOPLE LIKE SKY is 801 and

BIRDS IN SKY' is 169. Then PEOPLE LIKE

BIRDS' will have the number.

A. 809

B. 104

C. 36

D. 806



**Answer: A**



**Watch Video Solution**

**53.** In the number series given below, one number is missing. Each series is followed by four alternatives (1), (2), (3), and (4). One of them is the right answer. Identify and indicate it as per the "instructions".

13,74,290,650....

A. 1248

B. 1370

C. 1346

D. 1452

**Answer: B**



**Watch Video Solution**

**54.** Find the correct alternative:

A \_BBC\_ AAB\_ CCA\_ BBCC

A. BACB

B. ABBA

C. CABA

D. ACBA

**Answer: D**



**Watch Video Solution**

**55. Find the correct alternative:**

**BA \_ B \_ AAB \_ A \_ B**

**A. AABB**

B. BABB

C. BAAB

D. ABBA

**Answer: D**



**Watch Video Solution**

**56.** Some letters are given in column I and some digits are given in column II. Each digit of column II represents only letters of column II represent any letters of column I. Study the

columns and write the alternative letter after choosing the correct alternative against the corresponding question.

**Column-I**

**Column-II**

*ABLMS*

24538

*QRLBA*

93526

*PTQAB*

52601

*LRNPQ*

93716

*ATRNP*

29071

*MSPTQ*

84106

*QPNAR*

16729

*RABLS*

29583

*TSLBA*

80325

*PLQST*

31860

The code for M is....

A. 0

B. 8

C. 1

D. 4

**Answer: D**



**Watch Video Solution**

**57.** Some letters are given in column I and some digits are given in column II. Each digit of column II represents only letters of column II represent any letters of column I. Study the columns and write the alternative letter after

choosing the correct alternative against the corresponding question.

**Column-I**

*ABLMS*

*QRLBA*

*PTQAB*

*LRNPQ*

*ATRNP*

*MSPTQ*

*QPNAR*

*RABLS*

*TSLBA*

*PLQST*

**Column-II**

24538

93526

52601

93716

29071

84106

16729

29583

80325

31860

The code for N is....

A. 9

B. 6

C. 1

D. 7

**Answer: D**



**Watch Video Solution**

**58. Find out missing term ?**

**KMF : LLH :: RMS : ?**

A. TVT

B. SUS

C. SLR



D. SLU

**Answer: D**



**Watch Video Solution**

**59.** There are four term in each question. The term right to symbol : : have some relationship as the term of the left to symbol : : and out of the four, one term is missing, which is among one of the given four alternative. Find the correct alternatives.

Smoke : Pollution :: War .....

options - Victory , Death, Army, Enemy

A. Victory

B. Death

C. Army

D. Enemy

**Answer: B**



**Watch Video Solution**

**60.** Arrange the following words as per order in the dictionary. 1. Dissident 2. Dissolve 3. Dissent 4. Dissolute 5. Dissolution

A. 3,1,4,2,5

B. 3,1,4,5,2

C. 3,2,4,5,1

D. 3,2,1,4,5

**Answer: B**



**Watch Video Solution**

**61.** Select the one word-pair / number-pair / letter cluster which is different from the other three alternatives.

A. Light: Heavy

B. Kind : Cruel

C. Soft: Hard

D. Vacant: Empty

**Answer: D**



**Watch Video Solution**

**62.** From the given alternative words, select the word which cannot be formed using the letter of the given word:

COMMISSIONER

A. COMMON

B. MISSION

C. MISSILE

D. SIREN

**Answer: C**



**Watch Video Solution**

**63.** Which one number is wrong in the number series ?

13,17,19, 23,27,29

A. 29

B. 27

C. 23

D. 19

**Answer: B**



Watch Video Solution

**64.** Find the right alternative.

G, K, O, S, ?

A. U

B. W

C. V

D. X

**Answer: B**



Watch Video Solution

**65.** In each of the question 1 to 2 a letter series is given with one term missing shown by question mark (?). This term is one of four alternatives given under it. Find the right alternative.

KLE, IND, GPC , ? , CTA.

A. DRB

B. BSE

C. ERB



D. ECR

**Answer: C**



**Watch Video Solution**

**66.** Find the right alternative.

1,3,7,13,21, ? ,43,57.

A. 31

B. 29

C. 30

D. 32

**Answer: A**



**Watch Video Solution**

**67.** Find the right alternative.

5,3,10,8,17,15, ?,24.

A. 25

B. 23

C. 26

D. 27

**Answer: C**



**Watch Video Solution**

**68.** In this question alternative are alike in a certain way but the rest one is different. Find out the odd one and write correct answer.

A. Afghanistan

B. Kabul

C. Spain

D. Iraq

**Answer: B**



**Watch Video Solution**

**69.** A+B' means 'A is the son of B'

'A-B' means 'A is the wife of B' what does P+R-Q

means?

A. Q is the father of P

B. Q is the son of P

C. P is the father of Q

D. R is the son of Q

**Answer: A**



**Watch Video Solution**

**70.** In each of the following questions, a series of number / alphabet is given which follow certain rules. One of the number / alphabet is missing. Choose the missing number /

alphabets from the alternatives given below  
and mark it on your answer - sheet as directed.

18, 24, 21, 27, ?, 30, 27,

A. 33

B. 30

C. 24

D. 21

**Answer: C**



**Watch Video Solution**

71. In each of the following questions, a series of number / alphabet is given which follow certain rules. One of the number / alphabet is missing. Choose the missing number / alphabets from the alternatives given below and mark it on your answer - sheet as directed.

ELFA, GLHA, ILJA, ? , MLNA

A. OLPA

B. KLMA

C. LLMA

D. KLLA

**Answer: D**



**Watch Video Solution**

**72.** If in a certain codes, SENIOR is written as NZIDJM. Then which word is written in the same code as XDODUZI.

A. CISTERN

B. INQUIRE

C. CITIZEN

D. SUSTAIN



**Answer: C**



**Watch Video Solution**

**73.** In these questions pairs of words / letters numbers to the left / right of :: have certain relationship with each other. You are required to select the correct alternative so that similar relationship is established to the right / left of::

Institute : Academy :: Degree : ?

A. Blame

B. Court

C. Judge

D. Mandate

**Answer: D**



**Watch Video Solution**

**74.** In these questions pairs of words / letters numbers to the left / right of :: have certain relationship with each other. You are required

to select the correct alternative so that similar relationship is established to the right / left of::

60 : 80 :: 120 : ?

A. 160

B. 137

C. 170

D. 180

**Answer: B**



**Watch Video Solution**

75. In each of the following questions write which term in sequence the questions mark ?

BJ, DL, HP, PX, ?

A. FN

B. FX

C. TB

D. VD

**Answer: A**



**Watch Video Solution**

**76.** Find the odd term:

A. 141

B. 101

C. 107

D. 131

**Answer: A**



**Watch Video Solution**

77. In the following question a specific group of numbers is given. From the given alternatives, find out the right number which matches the given group.

341, 572, 781

A. 634

B. 891

C. 909

D. 990

**Answer: B**





[Watch Video Solution](#)

78. In a certain code language ZEAL = 11,  
written then in that language BEAT = ?

- A. 7
- B. 13
- C. 14
- D. 19

**Answer: A**



[Watch Video Solution](#)

**79.** In chart one the rows and columns are labelled with 0 to 4 number. In chart two rows and columns are labelled with the numbers 5 to 9. The letter in the chart is identified firstly by its row number and then by its column number.

For example, 5 is denoted by 22,41 number.

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

Which group of words represent the word



MOST ?

A ) 40,44,22,89

B ) 33,20,11, 79

C ) 21,00,03,88

D ) 02,13,34,56

A. 40,44,22,89

B. 33,20,11, 79

C. 21,00,03,88

D. 02,13,34,56

**Answer: D**



80. If  $\times$  means  $-$ ,  $+$  means  $+$ ,  $-$  means  $\times$  and  $\div$  means  $+$  then  $15 - 2 + 900 + 90 \times 100 = ?$

A. 190

B. 180

C. 90

D.  $-60$

**Answer: A**



**81.** Eight members of a group shake hand with one another once. How many hands shakes were done altogether.

A. 64

B. 16

C. 28

D. 18

**Answer: C**



**Watch Video Solution**

**82.** A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?

A. 8 PM

B. 9 PM

C. 10 PM

D. 11 PM

**Answer: D**



Watch Video Solution

**83.** Read the information given below carefully and answer the question.

$x + y$  means  $x$  is the sister of  $y$ .

$x - y$  means  $x$  is the son of  $y$ .

$x \times y$  means  $x$  is the mother of  $y$ .

$x \neq y$  means  $x$  is the father of  $y$ .

$x + y$  means  $x$  is the brother of  $y$ .

$x = y$  means  $x$  is the daughter of  $y$ .

Which of the following alternative means 'F is father of J'?

A.  $F + G \neq H \times I - J$

B.  $J = I + H \neq G + F$

C.  $F + G - H \times I - J$

D.  $J + I - H \times G - F$

**Answer: D**



**View Text Solution**

**84.** Five persons are standing in a line facing North. One of the two persons standing at the extreme ends is a teacher and the other is a

businessman. A doctor is standing to the right of a student. A clerk is to left of the businessman. The student is standing between the teacher and the doctor. Counting from the left the doctor is at which place ?

A. I

B. III

C. II

D. IV

**Answer: B**



85. If  $>$  stands for  $+$

$<$  stands for  $-$

$\wedge$  stands for  $\times$

$\vee$  stands for  $\div$

Then what is the value of  $52 < 4 \wedge 5 > 8 \vee 2$

A. 38

B. 36

C. 124

D. 312



**Answer: B**



**Watch Video Solution**

**86.** Write it in your answer sheet against the corresponding question number.

$$6 + 3 = 4 \times 22$$

A.  $\times + =$

B.  $+ - \times$

C.  $= \times -$

D.  $+ - =$

**Answer: A**



**Watch Video Solution**

**87.** Write it in your answer sheet against the corresponding question number.

$$7 + 3 = 8 - 13$$

A.  $/ + =$

B.  $\times - =$

C.  $+ = +$

D.  $- + =$

**Answer: B**



**Watch Video Solution**

**88.** If Friday falls on 15th of September 2000, what will be the day of 15th of September 2001?

A. Thursday

B. Friday

C. Saturday

D. Sunday

**Answer: C**



**Watch Video Solution**

**89.** In a row of boys, Vishal is seventh from the left and Kamal is eleventh from the right. When they exchange their places, Vishal is thirteenth from the left. What is the new position of Kamal from the right ?

A. 16th

B. 17th

C. 18th

D. 19th

**Answer: B**



**Watch Video Solution**

**90.** If 'water' is called 'air', 'air' is called 'tree', 'tree' is called 'sky', 'sky' is called 'sea' and 'sea' is called 'fire', where do aeroplane fly ?

A. water

B. sky

C. fire

D. sea

**Answer: D**



**Watch Video Solution**

**91.** If 'S' denote '+', 'D' denotes '-', 'Q' denotes '÷' and 'P' denotes 'x', Then value of following equation is:

$$35Q7P5S5D6 = ?$$

A. 22

B. 24

C. 26

D. 28

**Answer: B**



**Watch Video Solution**

**92.** Some equations are solved on the basis of a certain system. On the same basis, find out the correct answer, from amongst the four

alternative, for the unsolved equation.

$$85 \times 14 = 44, 68 \times 28 = 64, 79 \times 45 = ?$$

A. 72

B. 83

C. 96

D. 124

**Answer: B**



**Watch Video Solution**



**93.** If North direction is called East and South direction is called West, then what will be called North - East direction ?

A. North East

B. East - South

C. West South

D. North - West

**Answer: B**



**Watch Video Solution**

**94.** In a cricket match five batsman A, B, C, D and E scored an average of 36 runs. D scored 5 more than E , E scored 8 fewer than A , B scored as many as D and E combined : and B and C scored 107 between them. How many runs did E score ?

A. 62

B. 45

C. 28

D. 20

**Answer: B**



**Watch Video Solution**

**95.** Five bells begin to toll together and toll respectively at intervals of 6, 5, 7, 10 and 12 seconds. How many times will they toll together in one hour excluding the one at the start?

A. 7 times

B. 8 times

C. 9 times

D. 11 times

**Answer: B**



**Watch Video Solution**

**96.** A is 3 years younger than C but one year older than D. D is one year older than B but 4 years younger than C. C is 15 years old. What is the age of B?

A. 10

B. 11

C. 12

D. 13

**Answer: A**



**Watch Video Solution**

**97.** Kunal walks 10 km towards North, From there, he walks 6 km towards South. Then, he walks 3 km towards East. How far and in which

direction is he with reference to his starting point?

A. 5 km. West

B. 5 km. North - East

C. 7 km. East

D. 7 km. West

**Answer: B**



**Watch Video Solution**

**98.** Six teachers of a workshop have sat down for a photo session as shown below. A is sitting in between K and S. M is at a corner. There is no one sitting in between N and S, Then where is the person T, sitting ?

- A. At the central position between K and M
- B. At the central position between N and A
- C. At the central position between S and K
- D. At the central position between M and A

**Answer: A**



Watch Video Solution

**99.** On a playground J , K, L, M, N, O, P, Q, R are sitting in one row to watch a cricket match. L is at the right side of M and is occupying third place from A at the right side. K is sitting either at first or last position. Q is in between O and P, O sitting at the third position at the left side of K. O is sitting next to 'J' at the right side. Who is sitting at the centre among them ?



A. L

B. O

C. J

D. Q

**Answer: C**



**Watch Video Solution**

**100.** Seema went 9 km to west She turned to right and went 7 km. She turned to left and went 8 km. From there she turned back and

went 11 km. Then she turned to right are went 7 km. How much distance is she from origin ?  
(Seema turns every time  $90^\circ$  angle)

A. 9 km

B. 6 km

C. 3 km

D. 7 km

**Answer: B**



**Watch Video Solution**