



# POLITICAL SCIENCE

**BOOKS - MCGROW HILL EDUCATION**

**POLITICAL SCIENCE (HINGLISH)**

**MOCK TEST - II**

**Mat**

1. A series of small letters are given, which follow a certain pattern. However, some letters

are missing from the series. You have to find out the right set of letters from alternatives that can be inserted into the blanks of the series.

a - c b a - b c b a a b c - a a b c - a

A. c a c c

B. a c b c

C. b a b b

D. b c b c

**Answer: C**



2. A series of small letters are given, which follow a certain pattern. However, some letters are missing from the series. You have to find out the right set of letters from alternatives that can be inserted into the blanks of the series.

c b a a - b c - a c c - a a c b c a a - c b a

A. b a b c

B. c a b c

C. b a c c

D. a b c b

**Answer: B**



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3. A series of small letters are given, which follow a certain pattern. However, some letters are missing from the series. You have to find out the right set of letters from alternatives that can be inserted into the blanks of the

series.

b c a - a c - b b - a a a c b -

A. a a c b

B. b a c b

C. a b b c

D. a b c b

**Answer: D**



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4.  $A + B$  means 'A' is Brother of 'B'

$A - B$  means 'A' is Sister of 'B'

$A \times B$  means 'A' is Father of 'B'

$A \div B$  means 'A' is Mother of 'B'

Which of the following represents that 'F' is father of 'W' ?

A.  $F \div R + W$

B.  $F + R \times W$

C.  $F \times R - W$

D.  $F \times R \div W$

**Answer: C**



**View Text Solution**

5. There are five players A, B, C, D and E. One is badminton player, one is chess player and one is tennis player. A and D are unmarried ladies and do not take part in any game. None of the ladies play chess or badminton. There is a married couple in which E is the husband. B is the brother of C and in neither a chess nor a

tennis player.

Who is the badminton player?

A. B

B. C

C. D

D. E

**Answer: A**



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6. There are five players A, B, C, D and E. One is badminton player, one is chess player and one is tennis player. A and D are unmarried ladies and do not take part in any game. None of the ladies play chess or badminton. There is a married couple in which E is the husband. B is the brother of C and in neither a chess nor a tennis player.

Who is the tennis player?

A. A

B. C

C. D

D. E

**Answer: B**



**View Text Solution**

7. There are five players A, B, C, D and E. One is badminton player, one is chess player and one is tennis player. A and D are unmarried ladies and do not take part in any game. None of the ladies play chess or badminton. There is a

married couple in which E is the husband. B is the brother of C and in neither a chess nor a tennis player.

Who is the chess player?

A. A

B. C

C. D

D. E

**Answer: D**



**View Text Solution**

8. There are five players A, B, C, D and E. One is badminton player, one is chess player and one is tennis player. A and D are unmarried ladies and do not take part in any game. None of the ladies play chess or badminton. There is a married couple in which E is the husband. B is the brother of C and in neither a chess nor a tennis player.

Who is the wife of E?

A. A

B. B

C. C

D. D

**Answer: C**



**View Text Solution**

**9.** There are five players A, B, C, D and E. One is badminton player, one is chess player and one is tennis player. A and D are unmarried ladies and do not take part in any game. None of the

ladies play chess or badminton. There is a married couple in which E is the husband. B is the brother of C and in neither a chess nor a tennis player.

The three ladies are

A. BCD

B. ABC

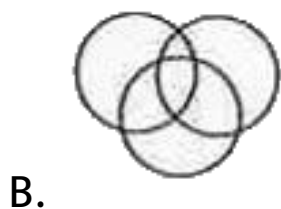
C. ABD

D. ACD

**Answer: D**



10. Which of the following Venn diagrams best illustrates the three classes: Rhombus, Quadrilateral, Polygons?



D.



**Answer: C**



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**11.** In each of the following questions, some groups of letters are given according to some rule. Following the rule choose the right answer amongst four alternatives to replace the question work.

**BXJ ETL HPN KLP ?**



A. NHR

B. MHQ

C. MIP

D. NIR

**Answer: A**



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**12.** In each of the following questions, some groups of letters are given according to some rule. Following the rule choose the right

answer amongst four alternatives to replace the question work.

AYD BVF DRH ? KGL

A. FMI

B. GMJ

C. HLK

D. GLJ

**Answer: A**



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13. D is the son of 'E' who is son of 'F'. P is daughter of 'R'. If N is the sister of P and daughter of 'E', what is 'E's relationship with 'R'?

A. Brother

B. Father

C. Husband

D. Uncle

**Answer: D**



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**14.** B is to the south-west of A. C is to the east of B and south-east of A and D is to the north of C in line with BA. In which direction of A is D located?

A. East

B. North

C. South East

D. North East

**Answer: C**



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15. Sonu went 15 m to the north, then he turned west and covered 10m, then he turned south and covered 5m and then turned east and covered 10m. In which direction is he from the starting point?

A. East

B. West

C. North

D. South

**Answer: C**



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**16.** If North is called North-West. North-West is called West. West is called South-West and so on, what will South-East be called?

A. West

B. South

C. East

D. North-East

**Answer: C**



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**17.** If ACTION is coded as ZXGRLM then HEALTH will be coded in the same way as

A. SVZOGS

B. TVZOGT

C. RUZPGR

D. QVGOZQ

**Answer: A**



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**18.** If 'W' is coded as, 'A' 'S' as 'R' and 'R' as 'W',  
how will ANSWER be written?

A. WNSAES

B. ANRAEW



C. ANRWAS

D. WNRAES

**Answer: B**



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**19.** Buy good oranges' is coded as 'BDG',  
'Distribute good oranges is coded as 'BCD' and  
'Oranges are red' is coded as 'BEF', then what  
is the code for 'Red' ?

A. B

B. B or E

C. B or F

D. E or F

**Answer: D**



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**20.** In a certain code SHORT is written as ITOUS and DWARF as XEAGS then how will MANGO be written in the same code?

A. NBNHP

B. BNNPH

C. BNNHP

D. LBNPF

**Answer: B**



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**21.** How many 4's are followed by 1 and preceded by 7 in the following number series ?

8 4 7 2 1 7 4 1 4 7 1 4 7 6 7

1 4 1 4 7 4 7 1 4 7 2 9 4 1 7

A. 3

B. 4

C. 5

D. 6

**Answer: B**



**View Text Solution**

22. Statements: All dogs are rats. All rats are cats.

Conclusion:

I. All cats are dogs

II. All dogs are cats

A. If only conclusion I follows

B. If only conclusion II follows

C. If either I or II follows

D. If neither I nor II follows

**Answer: B**



[View Text Solution](#)

**23.** Statements: All men are animals. No women are man.

Conclusion:

I. No women are animals

II. All women are animals

A. If only conclusion I follows

B. If only conclusion II follows

C. If either I or II follows

D. If neither I nor II follows

**Answer: B**



**View Text Solution**

**24.** Statements: All employees are graduates,  
Some employee are ladies.

Conclusion:

I. All ladies employees are graduates

II. Some ladies employees are graduates

A. If only conclusion I follows

B. If only conclusion II follows

C. If either I or II follows

D. If neither I nor II follows

**Answer: D**



**View Text Solution**

**25. Statements:** All fans are coolers. No fridge is cooler.

**Conclusion:**



I. Some fridges are not fans

II. No fridge is fan

A. If only conclusion I follows

B. If only conclusion II follows

C. If either I or II follows

D. If neither I nor II follows

**Answer: D**



**View Text Solution**

**26.** Statements: Some lamps are flowers. Some flowers are trees.

Conclusions:

I. All lamps are trees

II. All trees are flowers

A. If only conclusion I follows

B. If only conclusion II follows

C. If either I or II follows

D. If neither I nor II follows

**Answer: D**



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27. Which of the following words will come at second position if all the words are arranged alphabetically?

A. Arrangement

B. Arrest

C. Arrears

D. Arrivals

**Answer: C**



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**28.** In a row of girls, Shilpa is eighth from the left and Ritu is seventeenth from the right. If they interchange their positions, Shilpa becomes fourteenth place from the left. How many girls are there in a row?

A. 28

B. 29

C. 30

D. 31

**Answer: C**



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**29.** The train for Lucknow leaves every two and a half hours from New Delhi Railway Station. An announcement was made at the station that the train for Lucknow had left 40 minutes ago and the next train will leave at 18:00 hrs. At what time was the announcement made?

A. 15:30 Hrs

B. 17:10 Hrs

C. 16:00 Hrs

D. 16:10 Hrs

**Answer: D**



**View Text Solution**

**30. Find the odd one out.**

A. TUSLO

B. ORES

C. ILTUP

D. EDHILA

**Answer: D**



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**31.** Certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses' back while the remaining one are walking along leading their

horses. If the number of legs walking on the ground is 70, how many horses are there?

A. 10

B. 12

C. 14

D. 16

**Answer: C**



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**32.** Six students A, B, C, D, E and F are sitting in the field. A and B are from Delhi while the rest are from Faridabad. D and Fare tall while others are short. A, C and D are girls while others are boys. Which is the tall girl from Faridabad?

A. C

B. D

C. E

D. F

**Answer: B**



**View Text Solution**

**33.** Find one number from the given choice which can fill the two places shown by question marks?

$$\frac{\sqrt{2.25}}{?} = \frac{?}{0.375}$$

A. 7.25

B. 2.25

C. 0.75

D. 7.50

**Answer: C**



**View Text Solution**

**34.** The numbers have been arranged under some rule. Based on that rule which number best fits the question mark?

0, 6, 24, 120, 210, ?

A. 240

B. 290

C. 336

D. 504

**Answer: C**



**View Text Solution**

**35.** The numbers have been arranged under some rule. Based on that rule which number best fits the question mark?

4, 8, 28, 80, 244, ?

A. 278

B. 428

C. 628

D. 728

**Answer: D**



**View Text Solution**

**36.** The numbers have been arranged under some rule. Based on that rule which number

best fits the question mark?

1, 4, 27, 16, ?, 36, 343

A. 25

B. 87

C. 120

D. 125

**Answer: D**



**View Text Solution**

**37.** The numbers have been arranged under some rule. Based on that rule which number best fits the question mark?

A clock seen through a mirror shows quarter past three. What is the correct time shown by the clock?

A. 9:45

B. 9:15

C. 8:45

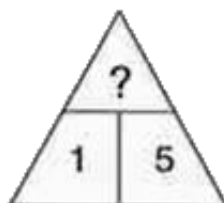
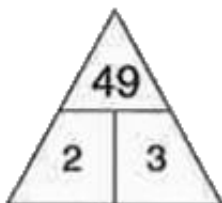
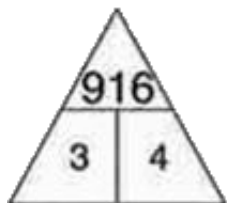
D. 3:15

**Answer: C**



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**38.** In each of the following figures, numbers are written according to some patterns and one number is missing. Find the missing number that replaces the questions mark.



A. 125



B. 215

C. 251

D. 512

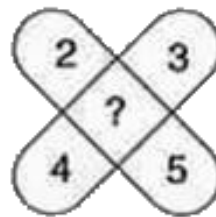
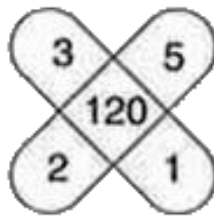
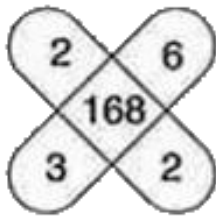
**Answer: A**



**View Text Solution**

**39.** In each of the following figures, numbers are written according to some patterns and one number is missing. Find the missing

number that replaces the questions mark.



A. 84

B. 195

C. 240

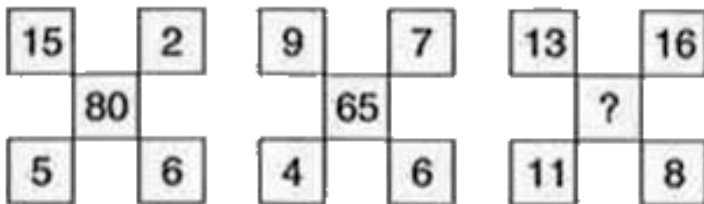
D. None of these

**Answer: B**



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40. In each of the following figures, numbers are written according to some patterns and one number is missing. Find the missing number that replaces the questions mark.



A. 35

B. 48

C. 72

D. 120

**Answer: B**



**View Text Solution**

**41.** In each of the following figures, numbers are written according to some patterns and one number is missing. Find the missing

number that replaces the questions mark.

3	4	49
4	6	100
5	8	?

A. 144

B. 151

C. 169

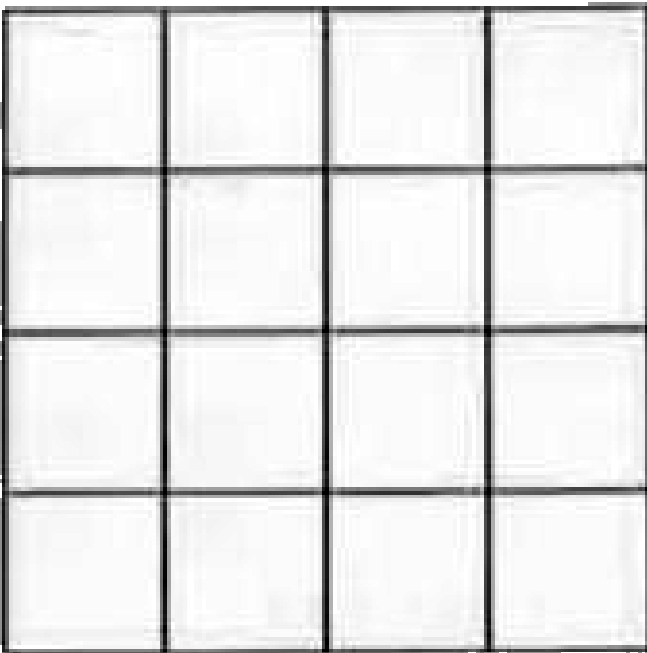
D. 196

**Answer: D**



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42. How many squares are there in the following figure?



A. 16

B. 17

C. 22

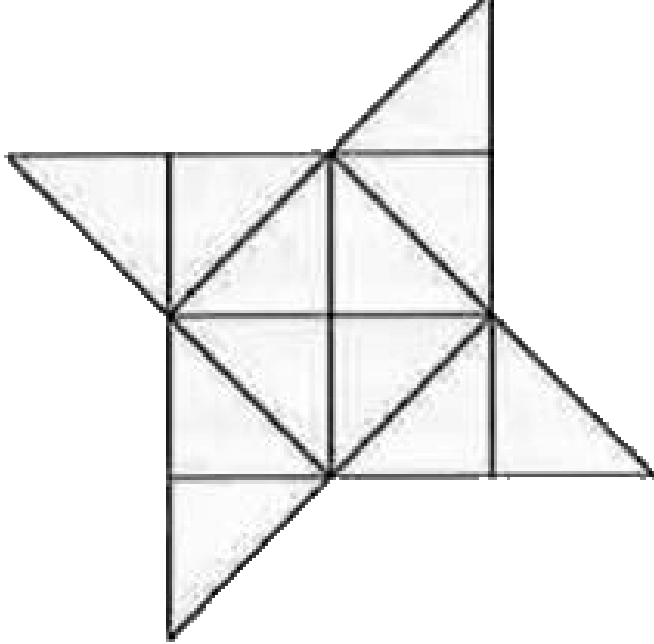
D. 30

**Answer: D**



**View Text Solution**

**43.** Count the number of triangles in the following figures.



A. 12

B. 14

C. 23

D. 24

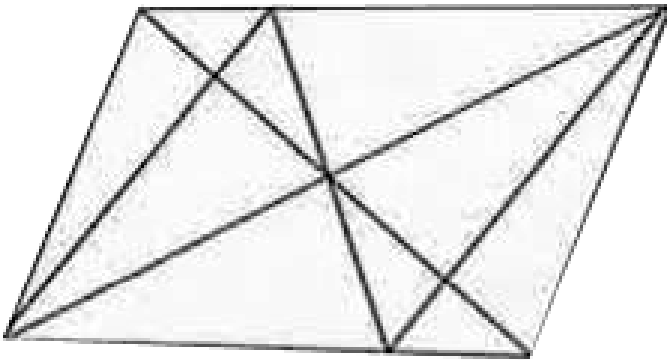


**Answer: C**



**View Text Solution**

**44.** Count the number of triangles in the following figures.



A. 22

B. 26

C. 28

D. 30

**Answer: B**

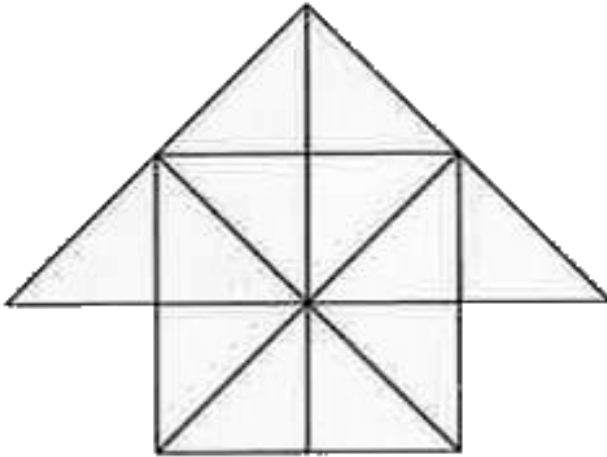


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**45.** Count the number of triangles in the following figures.

Count the number of triangles and squares in

the figure given below:

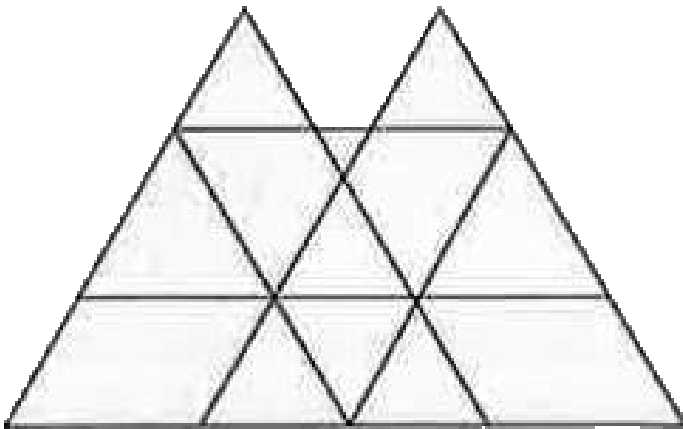


- A. 26 triangles, 5 squares
- B. 28 triangles, 5 squares
- C. 26 triangles, 6 squares
- D. 28 triangles, 6 squares

**Answer: C**

**46.** Count the number of triangles in the following figures.

Count the number of parallelograms in the figure given below.



A. 23

B. 22

C. 21

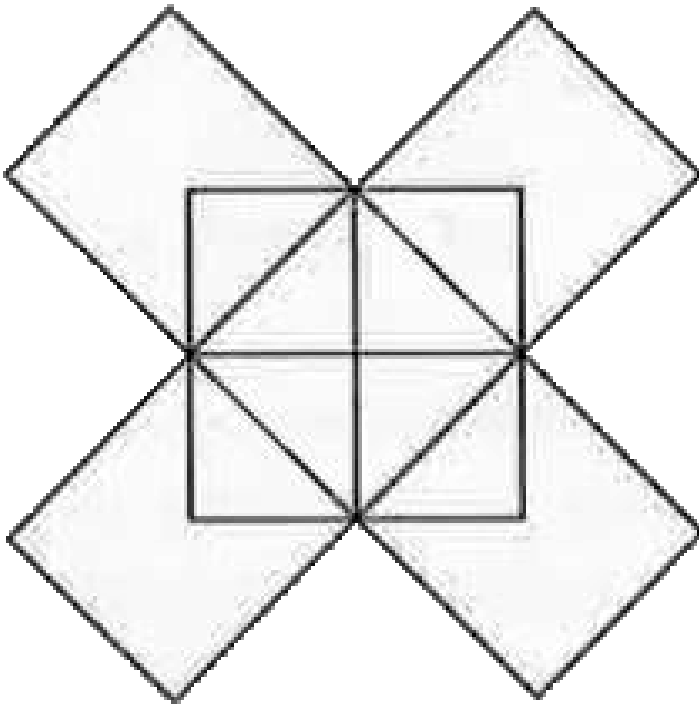
D. 18

**Answer: D**



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**47.** Count the number of Rectangles in the following figures.



A. 20

B. 18

C. 16

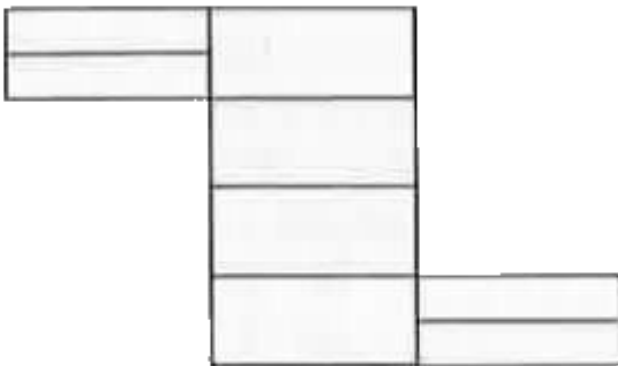
D. 15

**Answer: A**



**View Text Solution**

**48.** Count the number of Rectangles in the following figures.



**A. 8**

B. 17

C. 18

D. 20

**Answer: C**

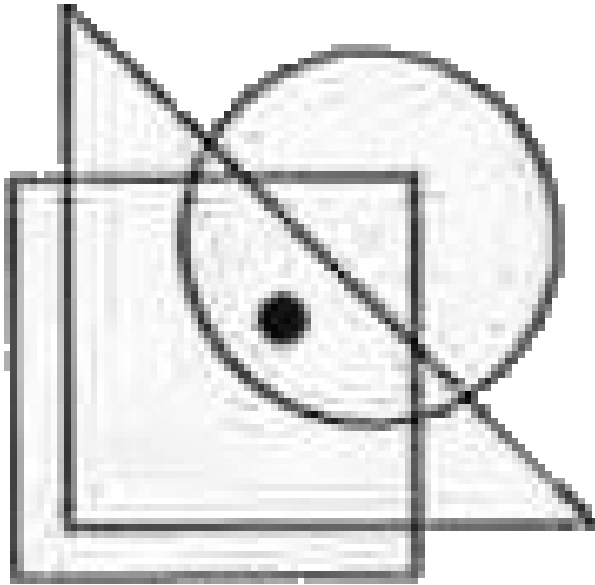


**View Text Solution**

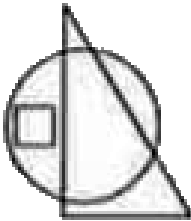
**49.** In each of the following questions from amongst the figures, select the one which satisfies the same conditions of placement of



the dot as in figure (X).

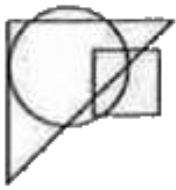


(X)



A.

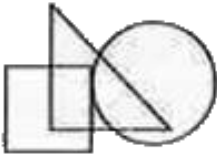
B.



C.



D.

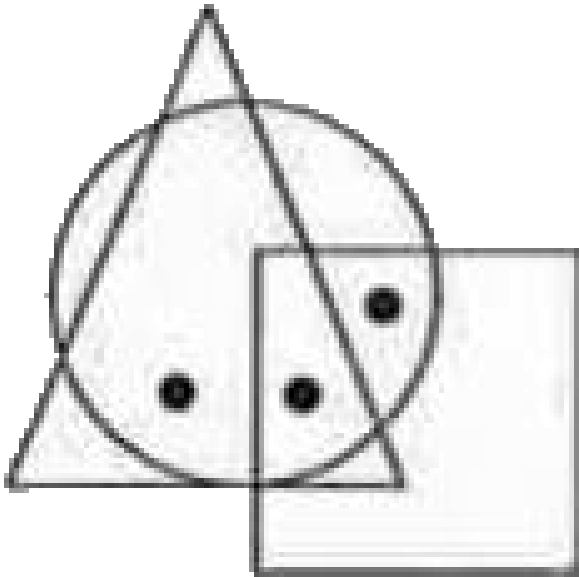


**Answer: B**



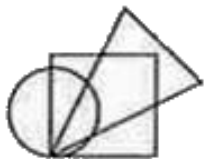
**View Text Solution**

50. In each of the following questions from amongst the figures, select the one which satisfies the same conditions of placement of the dot as in figure (X).



(X)

A.



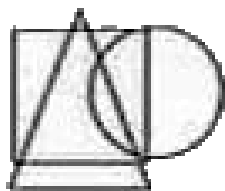
B.



C.



D.



**Answer: B**



**View Text Solution**

**51.** Read the questions carefully and answer accordingly.

In a joint family, there are father, 3 married sons and one unmarried daughter. Of the sons, two have 2 daughters each, and one has a son. How many females are there in the family?

A. 2

B. 3

C. 6

D. 9

**Answer: B**



**View Text Solution**

**52.** Read the questions carefully and answer accordingly.

In a certain code language, BEAT is written as YVZG, then what will be the code of MILD?

A. ONRW

B. NOWR

C. ONWR

D. NROW

**Answer: B**



**View Text Solution**

**53.** Read the following information carefully and answer the questions given below.

Ravi and Kunal are good in Hockey and Volleyball, Sachin and Ravi are good in Hockey and Baseball. Gaurav and Kunal are good in Cricket and Volleyball. Sachin and Michael are

good in Football and Baseball.

Who is good in Hockey, Cricket and Volleyball?

A. Sachin

B. Kunal

C. Ravi

D. Gaurav

**Answer: B**



**View Text Solution**



**54.** Read the following information carefully and answer the questions given below.

Ravi and Kunal are good in Hockey and Volleyball, Sachin and Ravi are good in Hockey and Baseball. Gaurav and Kunal are good in Cricket and Volleyball. Sachin and Michael are good in Football and Baseball.

Who is good in Baseball, Cricket, Volleyball and Football?

A. Sachin

B. Kunal

C. Gaurav

D. Ravi

**Answer: C**



**View Text Solution**

**55.** Read the following information carefully and answer the questions given below.

Ravi and Kunal are good in Hockey and Volleyball, Sachin and Ravi are good in Hockey and Baseball. Gaurav and Kunal are good in

Cricket and Volleyball. Sachin and Michael are good in Football and Baseball.

Who is good in Baseball, Volleyball and Hockey?

A. Sachin

B. Kunal

C. Ravi

D. Gaurav

**Answer: B**



**View Text Solution**

**56.** Choose the correct alternative.

Square: Diamond : : Circle : ?

A. Smooth

B. Round

C. Oval

D. Ball

**Answer: C**



**View Text Solution**

57. Choose the correct alternative.

Car : Garage :: Aeroplane : ?

A. Port

B. Depot

C. Hanger

D. Harbour

**Answer: B**



**View Text Solution**

58. Choose one word out of the given four alternatives which will fit in the blank space.

Truthfulness is to Liar as Loyalty is to \_\_\_\_\_

A. Worker

B. Traitor

C. Diligent

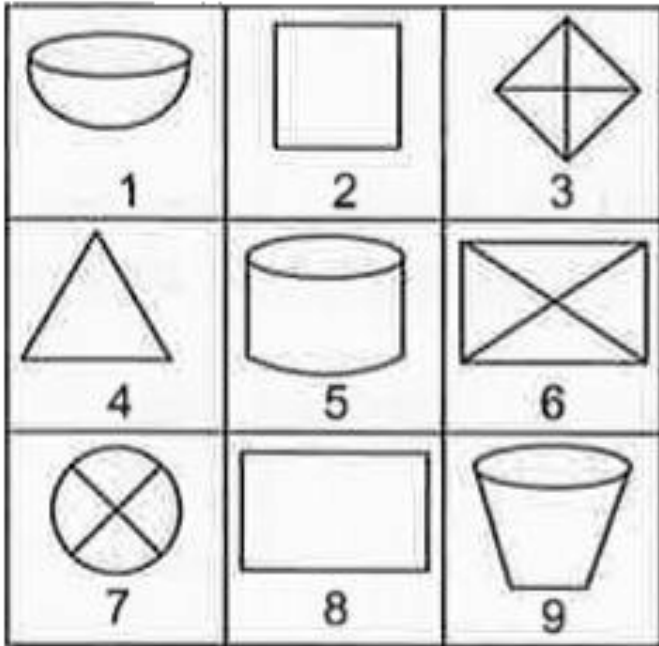
D. Faithful

**Answer: A**



**View Text Solution**

59. Group the following figures into three classes on the basis of identical properties.



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

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

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

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

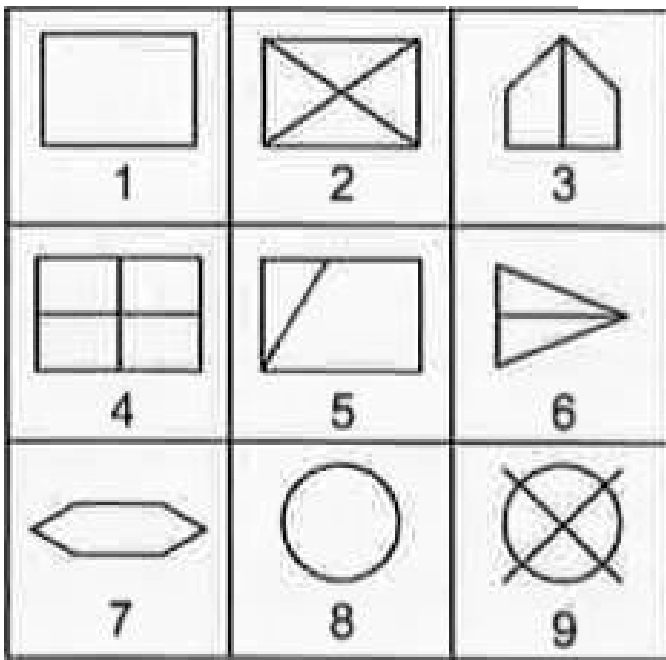
**Answer: A**



**View Text Solution**

**60.** Group the given figures into three classes using each figure once only.





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

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

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

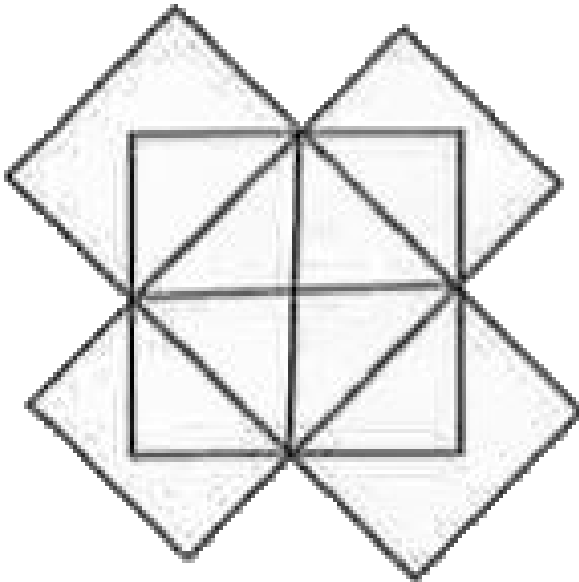
D. 1, 7, 8, 2, 3, 6, 4, 5, 9

**Answer: C**



**View Text Solution**

**61.** How many rectangles does the following figure have?



A. 10

B. 12

C. 13

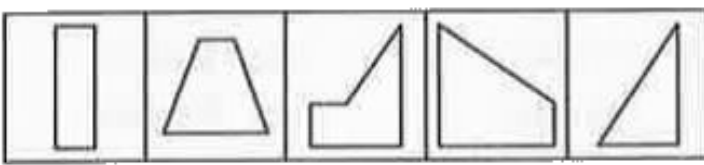
D. 14

**Answer: A**



**View Text Solution**

**62.** Which of the following three figures when combined gives a square-shaped figure?



(a)

(b)

(c)

(d)

(e)

A. ABC

B. ACD

C. BCE

D. CDE

**Answer: C**



**View Text Solution**

**63.** Complete the missing number/term out of four given alternatives in each question.

2, 9, 28, ....., 126, 217, 344

A. 50

B. 65

C. 70

D. 82

**Answer: A**



**View Text Solution**

**64.** Complete the missing number/term out of four given alternatives in each question.

$$\frac{2}{3}, \frac{4}{7}, \dots, \frac{11}{21}, \frac{16}{31}$$

A.  $\frac{5}{9}$

B.  $\frac{6}{11}$

C.  $\frac{7}{13}$

D.  $\frac{9}{11}$

**Answer: B**



**View Text Solution**

**65.** Complete the missing number/term out of four given alternatives in each question.

AB, DEF, HIJK,....., STUVWX

A. LMNO

B. LMNOP

C. MNOPQ

D. QRSTU

**Answer: C**



**View Text Solution**

**66.** Find a wrong number in the series given below :

25, 36, 49, 81, 121, 169, 225

A. 36

B. 49

C. 169

D. 225

**Answer: B**



**View Text Solution**



67. In each question, there are three figures which are followed by four answer figures. Choose a figure which would most closely resemble the unfolded form of figure III.



I



II



III

A.



B.



C.



D.



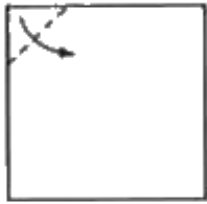
**Answer: D**



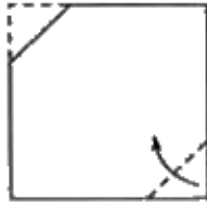
[View Text Solution](#)

**68.** In each question, there are three figures which are followed by four answer figures. Choose a figure which would most closely

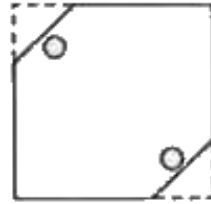
resemble the unfolded form of figure III.



I

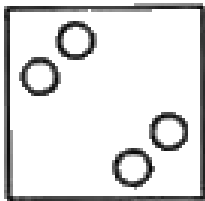


II

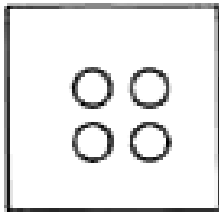


III

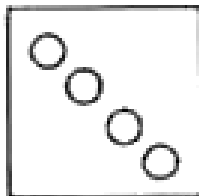
A.



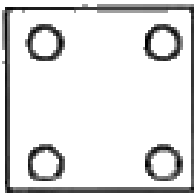
B.



C.



D.



**Answer: C**



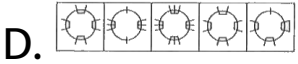
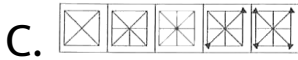
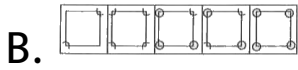
**View Text Solution**

69. Which one of the given sets of figures follows the following rule.

Rule : The series becomes complex as it proceeds.

A.





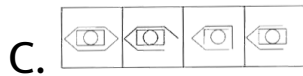
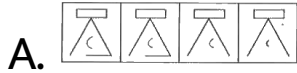
**Answer: B**

 [View Text Solution](#)

**70.** Which one of the given sets of figures follows the following rule.

Rule : Closed figures become more and more

open and open figures become more and more closed



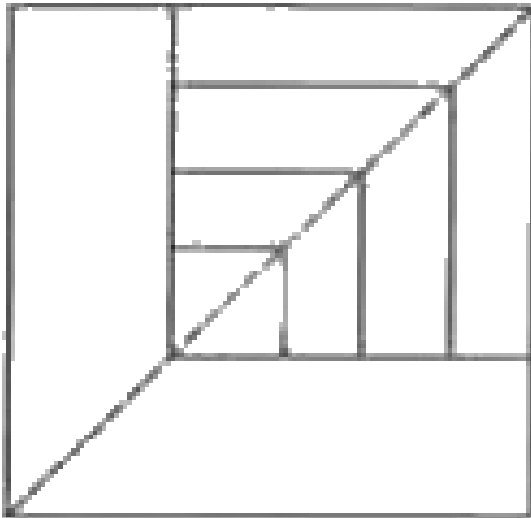
**Answer: D**



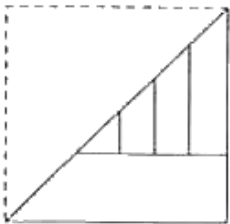
**View Text Solution**

71. In each of the following questions a square transparent sheet with a pattern is given. Find out from amongst the four alternatives as to how the pattern would appear when the sheet is folded at the dotted line.

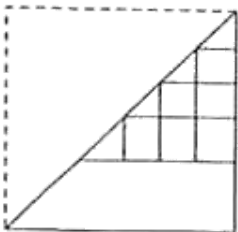
Transparent sheet



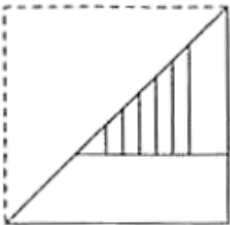
A.



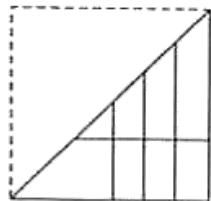
B.



C.



D.



**Answer: D**

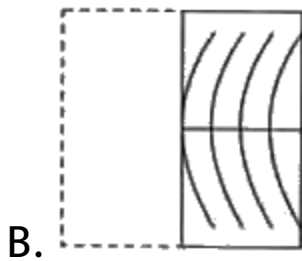
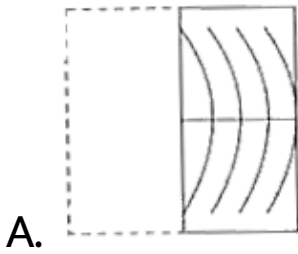
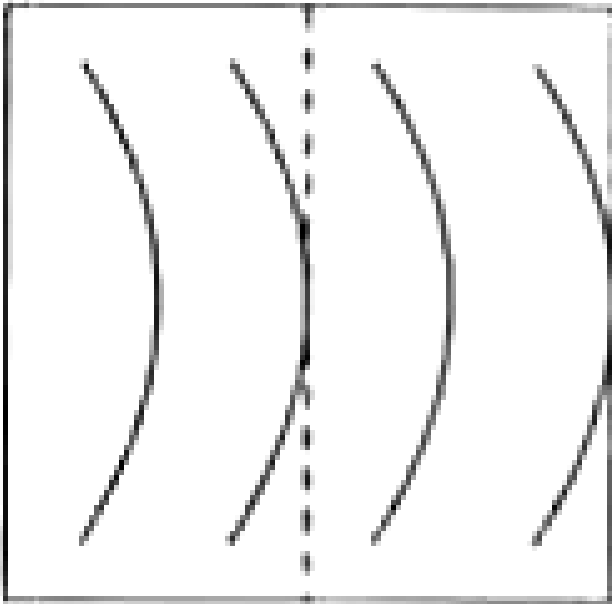


**View Text Solution**

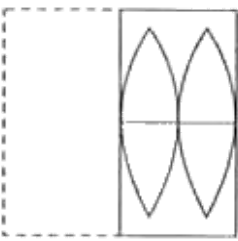


**72.** In each of the following questions a square transparent sheet with a pattern is given. Find out from amongst the four alternatives as to how the pattern would appear when the sheet is folded at the dotted line.

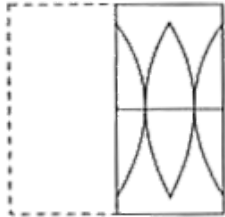
# Transparent sheet



C.



D.



**Answer: A**

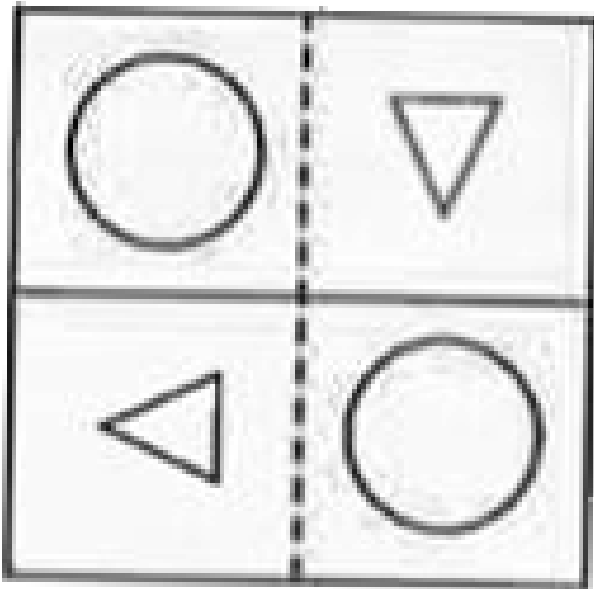


**View Text Solution**

**73.** In each of the following questions a square transparent sheet with a pattern is given. Find

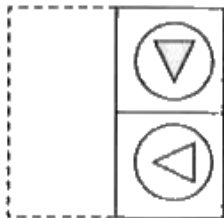
out from amongst the four alternatives as to how the pattern would appear when the sheet is folded at the dotted line.

Transparent sheet

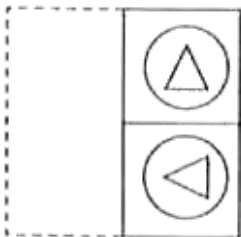


**Response figures**

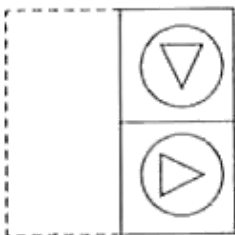
A.



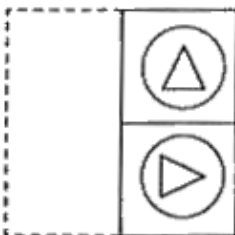
B.



C.



D.



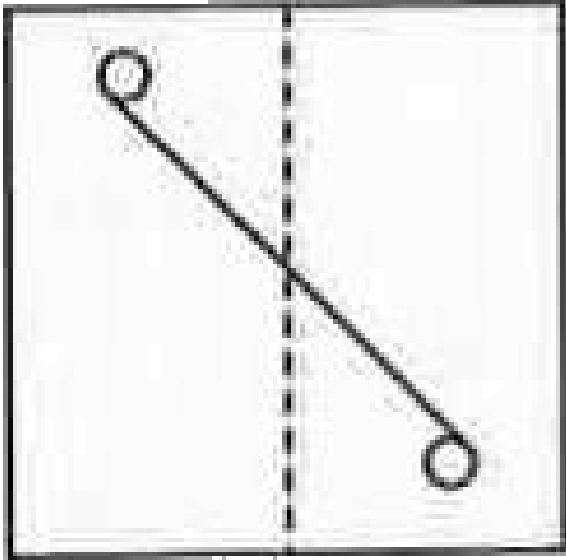
**Answer: A**



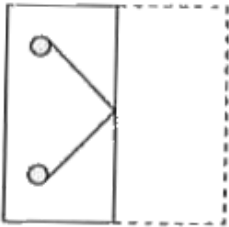


**74.** In each of the following questions a square transparent sheet with a pattern is given. Find out from amongst the four alternatives as to how the pattern would appear when the sheet is folded at the dotted line.

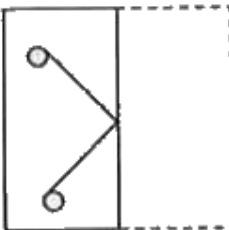
# Transparent sheet



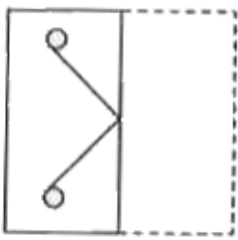
A.



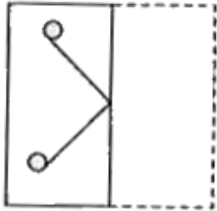
B.



C.



D.



**Answer: D**



**View Text Solution**

**75.** Find one which is different from the others.

A. Milk



B. Soda water

C. Cold drink

D. Beer

**Answer: A**



**View Text Solution**

**76.** Find one which is different from the others.

A. Wages

B. Honorarium

C. Pocket money

D. Salary

**Answer: D**



**View Text Solution**

**77.** Find one which is different from the others.

A. Advise

B. Counsel

C. Suggest

D. Direct

**Answer: A**



**View Text Solution**

**78.** Find one which is different from the others.

A. Blade

B. Axe

C. Scissors

D. Needle

**Answer: A**



**View Text Solution**

**79.** Arrange the given words in a meaningful sequence.

a. Study

b. Job

c. Examination

d. Earn

e. Apply

A. a, c, b, e, d

B. a, b, c, d, e

C. a, c, e, b, d

D. a, c, e, d, b

**Answer: C**



**View Text Solution**

**80.** Arrange the given words in a meaningful sequence.

a. Andhra Pradesh

b. Universe

c. Tirupati

d. World

e. India

A. a, e, c, b, d

B. b, a, c, e, d

C. c, a, e, d, b

D. e, d, a, b, c

**Answer: A**



**View Text Solution**

**81.** A farmer built a fence around his square plot. He used 27 fence poles on each side of the square. How many poles did he need altogether?

A. 100

B. 104

C. 108

D. None of these

**Answer: B**



82. Find the missing number.

1	7	9
2	14	?
3	105	117

A. 26

B. 20

C. 16

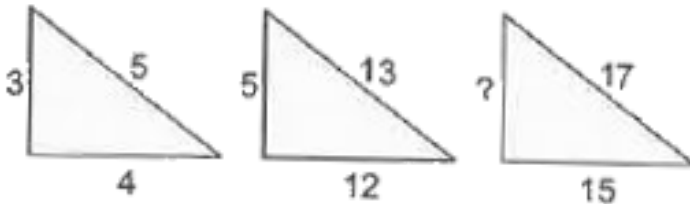


D. 12

**Answer: A**

 [View Text Solution](#)

**83.** Find the missing number.



A. 2

B. 6

C. 8

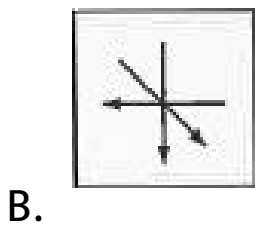
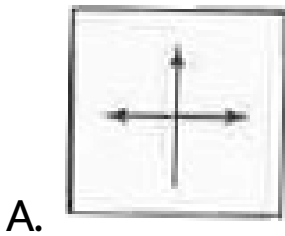
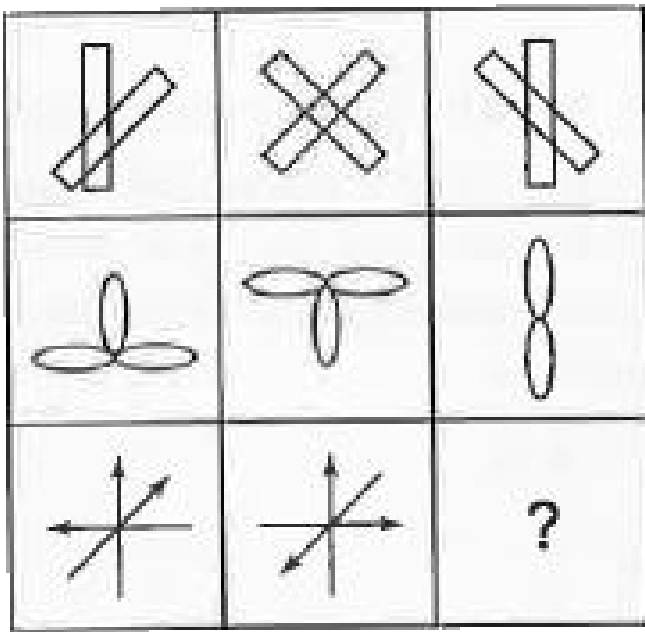
D. 64

**Answer: B**



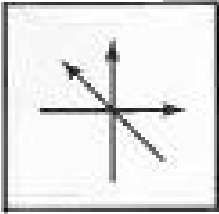
**View Text Solution**

**84.** Find out which answer figure will complete the figure matrix.





C.



D.

**Answer: C**



**View Text Solution**

**85.** In a certain code, MADRAS is coded as NBESBT. How is BOMBAY coded in that code?

A. CPNCBX

B. CPNCBZ

C. CPOCBZ

D. CNPCBX

**Answer: C**



**View Text Solution**

**86.** In a certain code language NATURE is coded as MASUQE. How is FAMINE coded in that code?

A. FBMJND

B. FZMHND

C. GANIOE

D. EALIME

**Answer: C**



**View Text Solution**

**87.** If 'white' is called 'blue', 'blue' is called 'red', 'red' is called 'yellow', 'yellow' is called 'green', 'green' is called 'black', 'black' is called 'violet'

and 'violet' is called 'orange', then what would be the colour of human blood?

A. Red

B. Green

C. Yellow

D. Violet

**Answer: C**



**View Text Solution**

**88.** In a certain code '37' means 'which class' and '583' mean 'caste and class'. What is the code for 'caste'?

A. 3

B. 7

C. 8

D. Either 5 or 8

**Answer: A**



**View Text Solution**



**89.** If DELHI is coded as 73541 and CALCUTTA is coded as 82589662. How will CALICUT be coded?

A. 5279431

B. 5978213

C. 8251896

D. 8543691

**Answer: A**



**View Text Solution**

**90.** In each of the following questions various terms of the letter series are given with one term missing as shown by (?). Choose the missing term out of given alternatives.

AZ, GT, MN, ?, YB

A. JH

B. SH

C. SK

D. TS

**Answer: A**



[View Text Solution](#)

**91.** In each of the following questions various terms of the letter series are given with one term missing as shown by (?). Choose the missing term out of given alternatives.

DF, GJ, KM, NQ, RT, ?

A. UW

B. YZ

C. XZ

D. UX

**Answer: B**



**View Text Solution**

**92.** In each of the following questions various terms of the letter series are given with one term missing as shown by (?). Choose the missing term out of given alternatives.

A, CD, GHI, ?, UVWXY

A. LMNO

B. MNOQ

C. MNOP

D. NOPQ

**Answer: B**



**View Text Solution**

**93.** In each of the following questions various terms of the letter series are given with one term missing as shown by (?). Choose the

missing term out of given alternatives.

3F, 6G, 11I, 18L, ?

A. 21 O

B. 25 N

C. 25 P

D. 27 P

**Answer: C**



**View Text Solution**

94. If you are eleventh in a queue starting from either end, how many persons are there in a queue?

A. 11

B. 20

C. 21

D. 23

**Answer: B**



**View Text Solution**

1. Tripling the speed of a motor car multiplies the distance required for stopping it by

A. 2

B. 3

C. 6

D. 9

**Answer: D**



**View Text Solution**



2. Which of the following shows the velocity ( $v$ ) - time ( $t$ ) graph for a falling apple?

A. 

B. 

C. 

D. 

**Answer: D**



**View Text Solution**

3. A body of mass 3 kg moving with a constant acceleration covers a distance of 10 m in the 3<sup>rd</sup> second and 16 m in the 4<sup>th</sup> second respectively. The initial velocity of the body is

A.  $10\text{ms}^{-1}$

B.  $8\text{ms}^{-1}$

C.  $5\text{ms}^{-1}$

D.  $-5\text{ms}^{-1}$

**Answer: D**



**View Text Solution**

4. The two ends of a train, moving with a constant acceleration, pass a certain point with velocities  $u$  and  $v$ . Then the velocity with which the middle point of the train passes the same point is

A.  $\frac{2uv}{u + v}$

B.  $\frac{u + v}{2}$

C.  $\sqrt{uv}$

D.  $\sqrt{\frac{u^2 + v^2}{2}}$

**Answer: D**



**View Text Solution**

5. If a wire is stretched to make it 0.1% longer, its resistance will

- A. increase by 0.2%
- B. decrease by 0.2%
- C. decrease by 0.05%
- D. increase by 0.05%

**Answer: A**



**View Text Solution**

6. An object is immersed in a fluid. In order that the object becomes invisible, it should:

- A. have refractive index one
- B. behave as perfect reflector
- C. absorb all light falling on it.

D. have refractive index exactly matching  
with that of the surrounding fluid

**Answer: D**



**View Text Solution**

7. The buoyant force depends upon

A. density of the liquid

B. volume of the body inside the liquid

C. value of  $g$  at that place

D. all the above

**Answer: D**



**View Text Solution**

**8.** A geostationary satellite revolves around the earth from

A. north to south

B. south to north

C. west to east

D. east to west

**Answer: C**



**View Text Solution**

9. If K.E. of a body increases by 0.1%, the percent increase in its momentum would be

A. 10 %

B. 1 %

C. 0.1 %



D. 0.05 %

**Answer: D**



**View Text Solution**

**10. Velocity of sound is maximum in**

A.  $O_2$

B.  $N_2$

C.  $H_2$

D. He

**Answer: D**



**View Text Solution**

**11.** A concave mirror gives an image three times as large as the object placed at a distance of 20 cm from it. For the image to be real, the focal length should be

A. 5 cm

B. 15 cm

C. 20 cm

D. 30 cm

**Answer: B**



**View Text Solution**

**12.** An element 'A' reacts with oxygen to form a protective layer of compound 'B'. The compound 'B' is also obtained by the reaction of 'A' with rust. The compound 'B' is amphoteric in nature. Identify the element 'A'.

A. silver

B. aluminium

C. copper

D. magnesium

**Answer: B**



**View Text Solution**

**13.** The metal (M) forms an oxide  $M_2O_3$ . The formula of its nitride will be

A.  $M_2N_3$

B. MN

C.  $M_2N$

D.  $M_3N_2$

**Answer: B**



**View Text Solution**

14.  $^{35}\text{Cl}$  and  $^{37}\text{Cl}$  are the two isotopes of chlorine, in the ratio of 3 : 1 respectively. If the isotope ratio is reversed, average atomic mass of chlorine will be

A. 35.0 u

B. 35.5 u

C. 36.0 u

D. 36.5 u

**Answer: D**



**View Text Solution**

**15.** Which one of the following statement is incorrect about graphite and diamond?

A. graphite is smooth and slippery

B. diamond is good conductor of heat

C. graphite is a good conductor of  
electricity

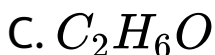
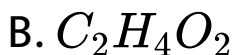
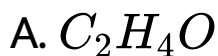
D. physical and chemical properties of  
graphite and diamond are different

**Answer: C**

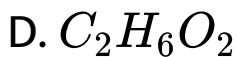


**View Text Solution**

16. A compound 'x' reacts with a compound 'y' to produce a colourless and odourless gas. The gas turns lime water milky. When 'x' reacts with methanol in the presence of conc.  $H_2SO_4$ , a sweet smelling substance is produced. The molecular formula of the compound 'x' is







**Answer: B**



**View Text Solution**

17. Some ice pieces kept at a temperature  $-5^{\circ}C$  are heated gradually to  $100^{\circ}C$  in a beaker. The temperature of the contents are plotted against time. The correct plot is -

A. 

B. 

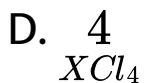
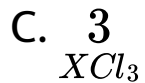
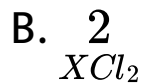
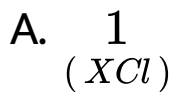
C. 

D. 

**Answer: C**

 [View Text Solution](#)

**18.** An atom (X) has an atomic number of 13 and a mass number of 27. How many electrons will it have in its valance shell? What will be the formula of its chloride?



**Answer: C**



**View Text Solution**

**19.** Which of the following would be the heaviest?

A. 0.2 mol of sucrose ( $C_{12}H_{22}O_{11}$ )

B. 2 moles of  $CO_2$

C. 2 moles of  $CaCO_3$

D. 10 moles of  $H_2O$

**Answer: C**



**View Text Solution**

20. On heating blue coloured powder of copper nitrate in boiling tube, copper oxide

(black), oxygen gas and brown coloured gas (x)

is formed. What is 'x' ?

A. NO

B.  $N_2O_3$

C.  $N_2O$

D.  $NO_2$

**Answer: D**



**View Text Solution**

21. Baking soda on reaction with vinegar gives water plus two other products. These two products are

- A. sodium ethoxide and hydrogen gas
- B. sodium ethanoate and hydrogen gas
- C. sodium ethanoate and carbon dioxide
- D. sodium ethoxide and carbon dioxide

**Answer: C**



**View Text Solution**

22. Angle formed in minor segment of a circle is

A. acute

B. obtuse

C. right angle

D. none of these

**Answer: B**



**View Text Solution**

23. The probability  $P(E)$  of any event  $E$  takes any value from

A. 1 to  $\infty$

B.  $-1$  to 0

C. 0 to 1

D. 0 to  $\infty$

**Answer: C**



**View Text Solution**



24. If  $p = 7 + 4\sqrt{3}$  and  $pq = 1$ , then

$\left(\frac{1}{p^2} + \frac{1}{q^2}\right)$  equals

A. 124

B. 134

C. 162

D. 194

**Answer: D**



**View Text Solution**

**25.** Consider the following statements: when two straight lines intersect:

(i) adjacent angles are complementary

(ii) adjacent angles are supplementary

(iii) opposite angles are equal

(iv) opposite angles are supplementary

A. (i) and (iv) are correct

B. (i) and (iii) are correct

C. (ii) and (iii) are correct

D. (ii) and (iii) are correct

**Answer: C**



**View Text Solution**

**26.** If one zero of the quadratic polynomial  $f(x) = 4x^2 - 8kx - 9$  is negative of the other, the value of  $k$  is

A. -1

B. -2

C. 1

D. 0

**Answer: D**



**View Text Solution**

**27.** If  $m$  is a natural number, then  $9^{2m} - 4^{2m}$  is always divisible by

A. 13

B. 8

C. 5

D. both 5 and 13

**Answer: D**



**View Text Solution**

**28.**

**if**

$$\cos \theta - \sin \theta = m \text{ and } \sec \theta - \cos \theta = n,$$

then the value of  $(m^2 n)^{2/3} + (mn^2)^{2/3}$  is

equal to

A. 2

B. 1

C. -1

D. 0

**Answer: B**



**View Text Solution**

**29.** The sum of  $m$  terms of the series

$\sqrt{2} + \sqrt{8} + \sqrt{18} + \sqrt{32} + \dots$  is given by

A.  $2m(m + 1)$

B.  $\frac{m(m + 1)}{2}$

C.  $\frac{m(m + 1)}{\sqrt{2}}$

D.1

**Answer: C**



**View Text Solution**

**30.** If a cone is cut into two parts by a horizontal plane passing through the midpoint of its axis, the ratio of the volumes of the upper part and the cone is given by

A. 1:4

B. 1 : 8

C. 1 : 6

D. 1 : 12

**Answer: B**



**View Text Solution**

**31.** If  $a^{1/3} + b^{1/3} + c^{1/3} = 0$ , then

A.  $a + b + c = 0$

B.  $a + b + c = 3 abc$



$$C. a^3 + b^2 + c^3 = 0$$

$$D. (a + b + c)^3 = 27abc$$

**Answer: D**



**View Text Solution**

**32.** If  $\cot \theta + \tan \theta = p$  and  $\sec \theta - \cos \theta = q$

, then the value of  $(p^2q)^{2/3} - (pq^2)^{2/3}$  is

A. 1

B. -1

C. 1

D. 0

**Answer: C**



**View Text Solution**

**33.** The mean of  $n$  observations is  $X$ . If the first item is increased by 1, second by 2 and so on, then the new mean is

A.  $X + n$

B.  $X + \frac{n}{2}$

C.  $X + \frac{n + 1}{2}$

D.  $X + \frac{n(n + 1)}{2}$

**Answer: C**



**View Text Solution**

**34.** What is the sum of  $1^2 - 2^2 + 3^2 - 4^2 + 5^2 - 6^2 + \dots$  up to  $2n$  terms?

A.  $\frac{n(n + 1)}{2}$

B.  $-\frac{n(n - 1)}{2}$

C.  $-n(2n - 1)$

D.  $-n(2n + 1)$

**Answer: D**



**View Text Solution**

**35.** Given that  $\text{HCF}(306, 657) = 9$ , then  $\text{LCM}(306, 657)$  is

A. 22338

B. 20342

C. 22836

D. none of these

**Answer: A**



**View Text Solution**

36. If  $\frac{3}{7} = 0.\overline{428571}$ , then  $\frac{5}{7}$  is equal to

A. 0.07142

B. 0.71435

C. 0.71429

D. 0.714285

**Answer: D**



**View Text Solution**

**37.** If  $\alpha$  and  $\beta$  are zeroes of the polynomial

$p(x) = x^2 - 8x + q$ , such that  $\alpha^2 + \beta^2 = 40$ ,

then  $q$  equals

A. 10

B. 12

C. -10

D. -12

**Answer: B**



**View Text Solution**

**38.** What is the degree of a constant polynomial?

A. -1

B. 0

C. 1

D. infinity

**Answer: B**



**View Text Solution**

**39. Vaccine is not available to us for**

A. Typhoid



B. Chikungunya

C. Cholera

D. Jaundice

**Answer: B**



**View Text Solution**

**40.** The pharynx in a frog is lined by which epithelium?

A. Cuboidal

B. Ciliated

C. Columnar

D. Squamous

**Answer: B**



**View Text Solution**

**41.** Which of the following gases contribute to global warming?

A. CO

B.  $N_2O$

C.  $CO_2$

D.  $SO_2$

**Answer: B**



**View Text Solution**

**42.** Name the blood vessel that provides nourishment to the heart muscles.

A. Coronary artery

B. Dorsal aorta

C. Pulmonary artery

D. Inferior venecava

**Answer: A**



**View Text Solution**

**43.** In human digestive system which organ is the largest?

A. Stomach

B. Large intestine

C. Small intestine

D. Liver

**Answer: C**



**View Text Solution**

**44.** Which one among the following has a three chambered heart?

A. Frog

B. Bat

C. Human

D. Mouse

**Answer: A**



**View Text Solution**

**45. Which animal shows 'brood parasitism'?**

A. Sparrow

B. Koel

C. Crow

D. Pig

**Answer: B**



**View Text Solution**

**46.** Externally visible characters of an organism is

A. Genotype

B. Prototype

C. Phenotype

D. Karyotype

**Answer: C**



**View Text Solution**

**47.** Location of Kreb's cycle in a cell is

A. Chloroplast

B. Nucleus

C. Mitochondria



D. Lyosome

**Answer: C**



**View Text Solution**

**48.** Chipko andolan is related to

A. Pollution

B. Deforestation

C. Erosion

D. Biomagnification

**Answer: A**



**View Text Solution**

**49.** The average temperature of the earth remains fairly steady as compared to that of the moon because of the

A. Atmosphere

B. Lithosphere

C. Biosphere

D. Hydrosphere

**Answer: A**



**View Text Solution**

50. A plant with well differentiated body, special tissues for transport of water and other substances but seed or fruit is

- A. Bryophyte
- B. Angiosperm
- C. Gymnosperm
- D. Pteridophyte

**Answer: D**



**View Text Solution**

**51. Building block of the enzyme amylase is**

A. Amino acid

B. Sugar

C. Lipids

D. Fatty acid

**Answer: A**



[View Text Solution](#)

52. Ingestion of solid food by Amoeba is called

A. Phagocytosis

B. Pinocytosis

C. Diffusion

D. Cell inversion

**Answer: A**



[View Text Solution](#)

53. Which enzyme is not found in man?

A. Cellulase

B. Protease

C. Nuclease

D. Invertase

**Answer: A**



**View Text Solution**

54. The Article to the Indian Constitution which deals with the Panchayats, is

A. 246

B. 243

C. 245

D. 244

**Answer: B**



**View Text Solution**

55. Mussolini was the editor of Socialist Newspaper called

- A. New India
- B. Avanti
- C. Mein Kempf
- D. Social Contract

**Answer: B**



**View Text Solution**



56. The Indian who headed the United Nations General Assembly in 1953 was \_\_\_\_\_

- A. Vijayalakshmi Pandit
- B. Moovalur Ramamirdham Ammaiyar
- C. Dr. Muthulakshmi Reddy
- D. Dr. S. Dharmambal

**Answer: A**



**View Text Solution**

57. \_\_\_\_\_ was known as the 'World's First Compiler of Law'.

- A. Napoleon III
- B. Hammurabi
- C. Confucius
- D. Cheops Khufu

**Answer: B**



**View Text Solution**

58. \_\_\_\_\_ was defeated in the battle of Waterloo.

A. Hitler

B. Mussolini

C. Stalin

D. Napoleon Bonaparte

**Answer: D**



**View Text Solution**

59. The Brihadeeshwara temple was built by the

A. Cheras

B. Pandyas

C. Pallavas

D. Cholas

**Answer: D**



**View Text Solution**

60. The Longitude that helps us to calculate the Indian Standard time is:

A.  $80^{\circ}$  E

B.  $82^{\circ} 30'$  E

C.  $82^{\circ} 50'$  E

D.  $81^{\circ}$  E

**Answer: B**



**View Text Solution**

61. 'There is enough for everybody's need and not for anybody's greed". It was voiced out by:

A. Mahatma Gandhi

B. Jawaharlal Nehru

C. Medha Patkar

D. Indira Gandhi

**Answer: A**



**View Text Solution**

**62.** Shrinking of forest cover is mainly because of:

- A. Over population
- B. Urbanization
- C. Industrializations
- D. Farming activities

**Answer: A**



**View Text Solution**

**63.** Plato wrote:

A. The law of twelve tables

B. Meditations

C. The Republic

D. The President

**Answer: C**



**View Text Solution**



64. Geographical surname, "Detroit of Southern Asia" refers to:

A. Bengaluru

B. Mumbai

C. Chennai

D. New Delhi

**Answer: C**



**View Text Solution**

**65.** Name the Presidency Constituency in which women were enfranchised for the first time in India:

A. Madras

B. Bombay

C. Calcutta

D. Bengal

**Answer: A**



**View Text Solution**

**66.** Name the country which has single party system:

A. China

B. Britain

C. Singapore

D. Ghana

**Answer: A**



**View Text Solution**

**67.** What is the role of Amnesty International?

A. To work for international peace

B. To stop arms race in the world

C. Collecting information about condition  
of International prisoners

D. None of these

**Answer: C**



**View Text Solution**

68. \_\_\_\_\_ is rightly known as the 'Guardian of the Constitution'.

A. District Court

B. Magistrate Court

C. High Court

D. Supreme Court

**Answer: D**



**View Text Solution**

**69.** Which state has bicameral legislatures?

A. Tamil Nadu

B. Gujarat

C. Bihar

D. Kerala

**Answer: C**



**View Text Solution**

70. The growth rate of a country is decided by:

A. The growth in literacy rate

B. The growth in employment opportunities

C. The quality of the population

D. The growth of the economy

**Answer: D**



**View Text Solution**

71. The state that has the lowest Infant Mortality Rate in India is:

A. Andhra Pradesh

B. Tamil Nadu

C. Kerala

D. Rajasthan

**Answer: C**



**View Text Solution**



72. 'Green Revolution' is associated with the production of:

A. Sugar

B. Pulses

C. Wheat

D. Cereals

**Answer: C**



**View Text Solution**

73. W.T.O. is a

A. Multilateral trade negotiation system

B. Bilateral trade negotiation system

C. Forum for trade agreements between  
LDCs

D. Forum for trade agreements between  
developed countries

**Answer: A**



**View Text Solution**

74. The state in which 'Kittiko - Hachchiko'

Movement was started:

A. Andhra Pradesh

B. Karnataka

C. Telengana

D. Maharashtra

**Answer: B**



**View Text Solution**

**75.** Identify the secular states:

A. Sri Lanka and India

B. Pakistan and Ireland

C. India and Nepal

D. Britain and Afghanistan

**Answer: C**



**View Text Solution**

**76.** Apartheid means:

A. Religious discrimination

B. Communal discrimination

C. Caste discrimination

D. Racial discrimination

**Answer: D**



**View Text Solution**

**77.** Which part of the Constitution of India contains Fundamental Duties?

A. Part - II

B. Part - III

C. Part - IV

D. Part - IV A

**Answer: D**



**View Text Solution**

**78.** The Economic Planning is a subject of:

A. State List

B. Union List

C. Concurrent List

D. Not specified in any list

**Answer: C**



**View Text Solution**

**79. Aadhaar' is a Programme:**

A. Infrastructure Development

B. Education

C. Social Security

D. To provide identity to Indian residents

**Answer: D**



**View Text Solution**

**80.** The Headquarter of UNO is located at :

A. London

B. Rome

C. New Delhi



D. New York

**Answer: D**



**View Text Solution**

**81.** The first summit of SAARC was held at:

A. New Delhi

B. Dhaka

C. Colombo

D. Islamabad

**Answer: B**



**View Text Solution**

**82.** The first day session of Indian Constituent Assembly was chaired by:

- A. Dr Sachchidanand Sinha
- B. Dr BR Ambedkar
- C. Dr Rajendra Prasad
- D. Jawahar Lal Nehru

**Answer: A**



**View Text Solution**

**83.** The maximum number of Anglo Indian who can be nominated to the Lok Sabha are:

A. 5

B. 4

C. 3

D. 2

**Answer: D**



**View Text Solution**

**84.** Titan' is the largest moon or satellite of

A. Venus

B. Mars

C. Saturn

D. Jupiter

**Answer: C**



[View Text Solution](#)

**85.** Which one of the following states has the longest coastline?

A. Maharashtra

B. Gujarat

C. West Bengal

D. Kerala

**Answer: B**



 [View Text Solution](#)

**86.** The Chairman of the Niti Aayog is:

- A. President
- B. Prime Minister
- C. Finance Minister
- D. RBI, Governor

**Answer: B**



[View Text Solution](#)

**87.** Who coined the famous slogan 'Inquilab Zindabad'?

A. Abdul Kalam Azad

B. Chandra Shekhar Azad

C. Bhagat Singh

D. Ashfaque Ullah Khan

**Answer: C**



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