Directions (1-5): In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the questions below the rows of numbers are to be answered. The operation of numbers progresses from left to right.

Condition I: If an odd number is followed by an odd prime number, then multiply both the numbers.

Condition II: If an even number is followed by a perfect square, then the sum of both the numbers is taken.

Condition III: If a prime number is followed by an odd number which is a perfect square, then find the positive difference of both the numbers.

Condition IV: If an even number is followed by an odd prime number, then divide the even number by an odd prime number

Condition V: If an odd number is followed by an even perfect square number, then add both the numbers.

Note: If more than one rule is applied, then apply only one as per the order.

1)Find the sum of the resultants of both the rows?

9 16 3

11 49 19

a) 81

b) 72

c) 77

d) 83

e) None of these

Answer: c) 77

Explanation:

Row 1:

9 16 3

From condition V: (9 + 16) = 25

From condition I: (25 x 3) = 75

Row 2:

11 49 19

From condition III: (49 – 11) = 38

From condition IV: 38/19 = 2

Hence, the sum of the resultants of both the rows = (75 + 2) = 77

2)Find the difference of the resultant of both rows?

15 16 9

14 9 4

a) 5

b) 9

c) 12

d) 7

e) None of these

Answer: A) 5

Explanation:

Row 1:

15 16 9

From condition V: (15 + 16) = 31

From condition III: (31 – 9) = 22

Row 2:

14 9 4

From Condition II: (14 + 9) = 23

From condition V: (23 + 4) = 27

Thus, required number = (27 – 22) = 5

3) What is the difference between the resultant of both rows?

3 16 9

51 3 4

a) 121

b) 441

c) 324

d) 147

e) None of these

Answer: D) 147

Explanation:

Row 1:

3 16 9

From condition V: (3 + 16) = 19

From condition III: (19-9) = 10

Row 2:

51 3 4

From Condition I: (51 x 3) = 153

From condition V: (153 + 4) = 157

Thus, required number = (157 – 10) = 147

4) What is the value of (X + the resultant of row 2) if the resultant of row1 is 44 ?

24 3 X

13 4 49

a) 24

b) 52

c) 21

d) 68

e) None of these

Answer: D) 68

Explanation:

Row 1:

24 3 X

From condition IV: 24/3 = 8

To get, resultant as 44, we use condition II: (44 – 8) = 36

Thus, value of X = 36

Row 2:

13 4 49

From condition V: (13 + 4) = 17

From condition III: (49 – 17) = 32

Required number = (36 + 32) = 68

5) What is the value of X if sum of resultant of both rows is 61?

13 49 X

24 9 16

a) 9

b) 12

c) 3

d) 8

e) None of these

Answer: C) 3

Explanation:

Row 2:

24 9 16

From condition II: 24 + 9 = 33

From condition V: 33 + 16 = 49

Resultant of row 1 = (61 – 49) = 12

Row 1:

13 49 X

From condition III: (49 – 13) = 36

From condition IV: 36/3 = 12

Thus, value of X = 3

Direction (6-10): Study the following information carefully and answer the questions given below

In a certain code language

"Butter Cheese Kefir Custard" coded as **"F$02 S@03 J@11 T$03"**

"Feta Milk Powder Quark" coded as **"S@17 F$16 U$06 M$13"**

"Cream Chocolate Pudding Yogurt" coded as **"B@03 S$25 U@03 O@16"**

"Khova Curd Ghee Gelato" coded as**"U$07 W@11 S$03 F$07"**

6) Which of the following is coded as "S$25"?

a) Pudding

b) Yogurt

c) Chocolate

d) Cream

e) None of the above

7) What is the sum of the numbers in the codes of Cheese, Quark, and Yogurt?

a) 52

b) 44

c) 22

d) 36

e) 45

8) Which of the following is coded as "U@03 F$16"?

a) Pudding Milk

b) Feta Cream

c) Cream Powder

d) Chocolate Powder

e) Chocolate Milk

9) What will be the code for "Khova Cheese"?

a) J@11 S@03

b) T$03 W@11

c) U$07 T$03

d) W@11 F$07

e) S$03 S@03

10) Which of the following represents the code of "Custard Ghee Cream"?

a) S@03 J@11 F$17

b)W@11 U$07 B@03

c) U@03 S@03 J@11

d) O@16 F$07 S@17

e) F$07 S@03 B@03

Direction (6-10):

6) Answer: b

7) Answer: e

8) Answer: d

9) Answer: b

10) Answer: e

Common Explanation:

For Alphabet Arrangement: The second letter from the right end is changed into the immediate next letter in English alphabetical order

For Number Arrangement: The place value of the first letter of the word in the English alphabetical series.

For Symbol Arrangement: If the total letters count is even→$ and if the total letters count is Odd→@.

Butter	**F$02**	**Cream**	**B@03**
Cheese	**T$03**	**Chocolate**	**U@03**
Kefir	**J@11**	**Pudding**	**O@16**
Custard	**S@03**	**Yogurt**	**S$25**
Feta	**U$06**	**Khova**	**W@11**
Milk	**M$13**	**Curd**	**S$03**
Powder	**F$16**	**Ghee**	**F$07**
Quark	**S@17**	**Gelato**	**U$07**

Directions (11-15): In each group of questions below are three conclusions followed by five statements. You have to choose the correct set of statements that logically satisfies the given conclusion.

11)Conclusion

I. Some Tango being Tinikling is a possibility

II. Some Tango is not a Binasuan

III. Some Swing is not Tinikling

Statement

I. Only a few Tango is Swing; No Swing is Tinikling; No Swing is Binasuan

II.Some Tango is Swing; Some Swing is Binasuan; All Binasuan is Tinikling

III.No Tinkling is Tango; Some Tango is Swing; Only swing is Binasuan

IV.All Tango is Swing; All Swing is Binasuan; No Binasuan is Tinikling

V. Only a few Tango is Tinikling; Some Binasuan is Swing; No Swing is Tango

a) Only I follows

b) Both II and IV follows

c) None Follows

d) All Follows

e) Both III and V follows

12)Conclusion

I. Some Tap is Jazz

II. All Jazz can be Contemporary

III. Some Folk is not a Tap

Statement

I.Some Folk is Tap; No Tap is Jazz; All Jazz is Contemporary

II.Only a few Folk is Tap; All Tap is Contemporary; Some Tap is Jazz

III.Some Tap is Folk; Some Folk is Jazz; No Folk is Contemporary

IV.No Folk is Tap; Some Tap is Jazz; All Tap is Contemporary

V. Some Contemporary is Tap; No Tap is Jazz; Some Jazz is Folk

a) Both I and II follow

b) Both II and IV follows

c) None Follows

d) All Follows

e) Both III and V follows

13)Conclusion

I. No Cornet is Bugle

II. Some Gong is not a Bugle

III. Some Tuba is Cornet

Statement

I.Only a few Gong is Cornet; All Cornet is Tuba; No Tuba is Bugle

II.Some Gong is Tuba; No Cornet is Bugle; All Tuba is Cornet

III.Some Gong is Cornet; Some Cornet is Bugle; No Bugle is Tuba

IV.No Gong is Tuba; All Cornet is Gong; Some Tuba is Bugle

V. Only Gong is Cornet; No Cornet is Bugle; All Tuba is Bugle

a) Both I and II follow

b) Both II and IV follows

c) None Follows

d) All Follows

e) Both III and V follows

14)Conclusion

I. Some Ballet being Strip is a possibility

II. All hip hop being Salsa is not a possibility

III. Some Hip hop is not a Ballet

Statement

I.Only a few Strip is Salsa; All Salsa is Ballet; No Hip hop is Strip

II.Only Ballet is Salsa; Some Hip hop is Ballet; No Ballet is Strip

III.Only a few hip hop is Ballet; All Hip hop is Strip; Some Strip is Salsa

IV.Some Ballet is Strip; Some Strip is Hip hop; Some hip hop is Salsa

V. Only a few Hip hop is Ballet; No Ballet is Salsa; No Strip is Salsa

a) Both I and II follow

b) Both II and IV follows

c) None Follows

d) All Follows

e) Only V Follows

15) Conclusion

I. Some Bassoon is Harmonica

II. All Harmonica being Clarinet is not a possibility

III. Some Piccolo is a not a Bassoon

Statement

I.Only a few Piccolo is Clarinet; Only Clarinet is Harmonica. Some Clarinet is Bassoon

II.Some Harmonica is Clarinet; No Clarinet is Bassoon; Some Bassoon is Piccolo

III.All Harmonica is Piccolo; Some Piccolo is Clarinet; All Bassoon is Piccolo

IV.Some Piccolo is Bassoon; Some Bassoon is Harmonica; Some Harmonica is Clarinet

V. No Bassoon is Clarinet; All Piccolo is Bassoon; All Harmonica is Piccolo

a) Both I and II follow

b) Both II and IV follows

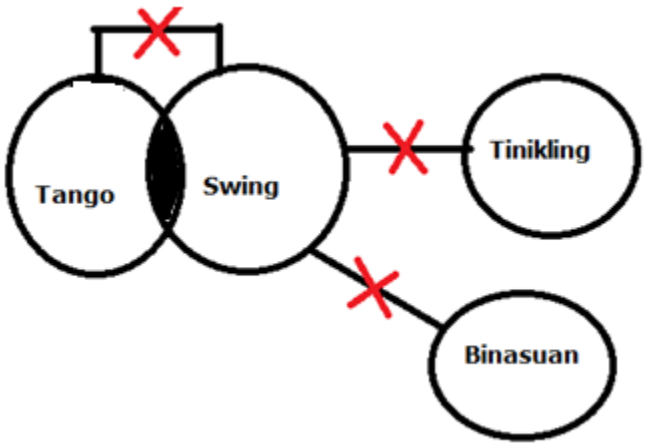
c) None Follows

d) All Follows

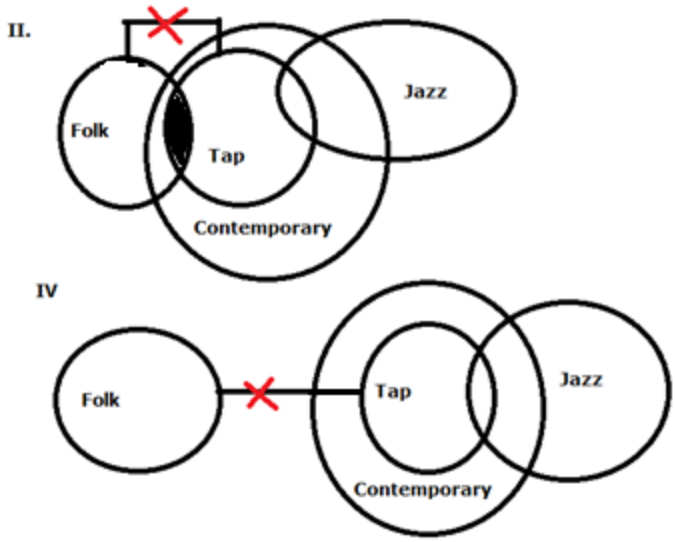
e) Only III and V

Directions (11-15):

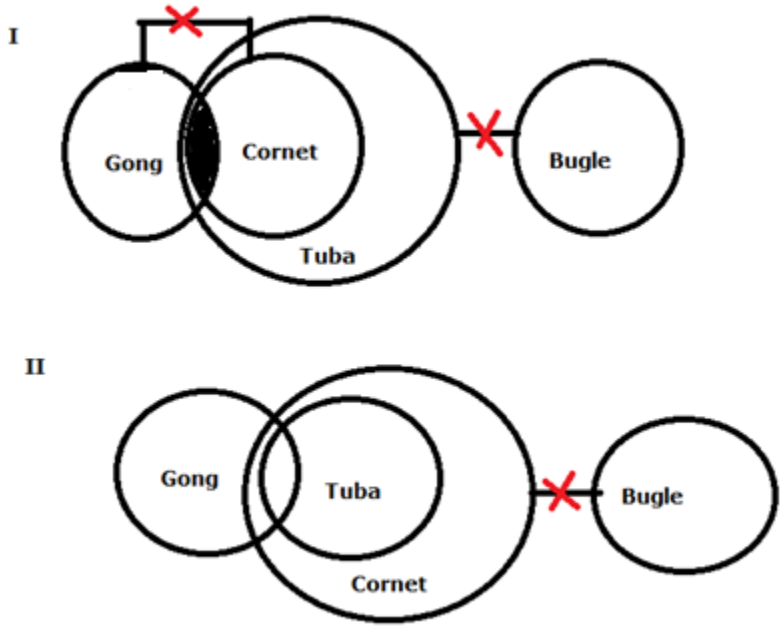
11) Answer: a



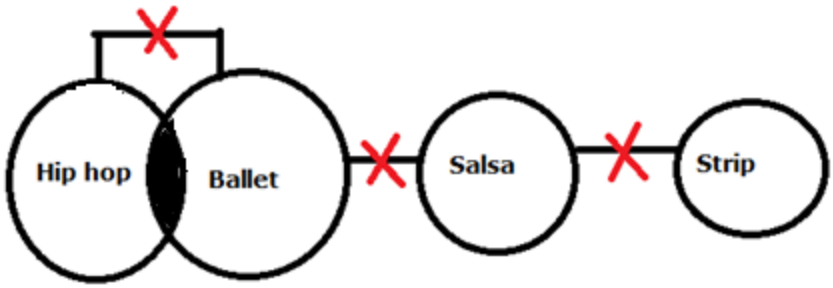
12) Answer: b



13) Answer: a



14) Answer: e



15) Answer: c

None of the statement is follows