PUZZLES QUESTIONS WITH ANSWERS:

SET – 1

Direction: Read the given information carefully and answer the questions given beside:

Six boxes are placed one above the other in a rack. The lowermost rack is numbered as one and above is two and so on. Each box has different number of balls.

Box P is placed immediately above Box R. Only one box is placed between the boxes having 175 and 165 balls. Box U has 210 balls. Box L is placed above Box M but neither of the boxes is placed in the topmost rack. Box which has 119 balls is placed immediately above the box which has 190 balls. Three boxes are placed between Box R and the box has 180 balls. Box which has 175 balls is placed immediately above the box, which has 180 balls. Two boxes are placed between the box which has 190 balls and Box K.

1.   What is the average number of balls in the boxes, which are placed in even numberedracks?

A. 168 balls   B. 158 balls   C. 153 balls   D. 164 balls   E. None of these

2.   Which among the following statements is true?

A. Only one box is placed between Box M and the box which has 175 balls.
B. Box U and the box which has 165 balls are placed not adjacent to each other.
C. The box which has 180 balls is placed immediately above the box which has 165 balls.
D. No boxes are placed between the box P and Box L.
E. None is true

3.   In certain way Box P is related to 119 balls, Box L is related to 165 balls and in sameway, which among the following box is related to 180 balls?

A. Box M   B. Box U   C. Box R   D. Box P   E. None of these

4.   If box O is placed immediate above of box P then box O is placed in which numberrack?

A. Fifth   B. Ninth   C. Seventh   D. Sixth   E. None of these

5.   Box K has how many balls in it ?

A. 175   B. 119   C. 190   D. 210   E. None of these

SET – 2

Certain number of boxes are placed one above the other. Some of the boxes have different number of balls. No two boxes have same number of balls.

There are four boxes between Box W and Box T, which at the topmost position. Two boxes are placed between Box W and Box V. One box is placed between Box V and Box Q, which has 12 balls. One box is placed between Box R and Box Q. Box placed immediately below of Box V contains one ball more than Box S. Two boxes are placed between Box R and Box S. Box S is not placed immediately below of the box, which has even numbered balls. Box S has 9 balls. Maximum ten boxes are placed one above the other. At least one box is there between topmost box and Box S.

6.   How many boxes are there in the arrangement?

A. Ten   B. Nine   C. Seven   D. Eight   E. Can't be determined

7.   How many boxes are placed between Box T and Box S?

A. None   B. Four   C. Six   D. Eight   E. Can't be determined

8.   What is the position of Box Q with respect to Box S?

A. Fifth to the above   B. Fifth to the below   C. Fourth to the below   D. Either A or B   E. Either B or C

9.   If Box L is placed immediately above Box E, then which among following statement istrue?

A. Two boxes are placed between Box Q and Box L.
B. Number of boxes below Box L is same as above Box V.
C. More than one box is placed between Box W and Box E.
D. Box E and the box, which has 9 balls are adjacent to each other.
E. All of these

10.   If the ratio of balls in Box Q and Box R is 1 : 2 respectively and the sum of the balls in Box S and Box W is 27, then what is the difference between the balls in Box R and Box W?

A. 12 balls   B. 18 balls   C. 6 balls   D. 24 balls   E. Can't be determined

SET – 3

Nine sweet boxes are arranged in racks, one above the other. Each sweet box has different weight such as 230g, 170g, 360g, 510g, 340g, 720g, 550g, 690g and 460g. Each box is differentiated with different color such as Green, White, Black, Orange, Pink, Grey, Red, Yellow and Blue. All the above information is not necessarily in the same order.

Number of box below the Box which is 340g and above the box which is 170g is same. Only two boxes are placed between Red box and Green box. Blue box is above Green box and only one box is placed between them. There are as many boxes between Green box and Orange box as between Pink box and Black box. Pink box's weight is equal to the sum of the weight of Blue box and Red box. The weight of White box is less than Yellow box and more than Orange box. The Red box and Black box is arranged in the adjacent racks. Number of boxes placed between White box and Grey box is twice the number of box placed between Yellow box and White box. Red box is placed below the Blue box. Yellow Box is not placed above the Blue box. Weight of Green box is ten grams more than the twice of Grey box. Red box is not placed in the lower most rack. More than one box is placed below the Black box. The weight of the Black box is three times the weight of Blue box. The Grey box's weight is two-third of weight of Black box. Box which have the weight of 230g and 340g are in the adjacent racks.

11. **What is the difference between the weights of the box having minimum weight and the Orange box?(in grams)**

A. 180   B. 290   C. 320   D. 230   E. None of these

12. **Which of the following combinations is true?**

A. Orange-690g   B. Red-510g   C. Pink-170g   D. Grey-340g   E. All are true

13. **Which of the following colored sweet boxes has the maximum weight?**

A. White   B. Pink   C. Black   D. Orange   E. Yellow

14. **What is the average weight (in gm) of Green, Blue and Yellow sweet boxes?**

A. 440   B. 990   C. 630   D. 490   E. None of these

15. **How many sweet boxes are placed between the box weighing 230g and the boxweighing 510g?**

A. One   B. Two   C. Three   D. Four   E. Either two or three

SET – 4

Nine boxes named A, B, C, D, E, F, G, H and I are placed one above other but not necessarily in the same order. Only five boxes are placed between A and C. E is placed immediate above C. Only three boxes are placed between E and D. Number of boxes placed between A and D is same as between B and E. F is placed below B, but not at bottom. Not less than four boxes are placed between E and F. One box is placed between F and G. Box I is placed above box H.

16. **How many boxes are placed between I and F?**

A. None   B. 1   C. 2   D. 3   E. Can't be determined

17. **E is related to G in a way, F is related to I in the same way then which of the followingis related to C in the same way?**

A. G   B. B   C. A   D. D   E. H

18. **What is the position of I with respect to B?**

A. 2 boxes below   B. 1 box below   C. 4 boxes above   D. Immediate above   E. Can't be determined

19. **Which of the following boxes is placed exactly in the middle?**

A. C   B. D   C. G   D. F   E. None of these

20. **Which of the following boxes is placed immediately above and immediately below B?**

A. I and D   B. I and C   C. C and E   D. E and G   E. None of these

SET - 5

There are six boxes placed above each other. They are numbered from 1 to 6 and containing different edible items. Candy box is placed above Chocolate box. Box 2 contains Cutlery and is placed just above Candy box. Box 5 is not placed below Box 2. 3 boxes are placed between Box 4 and the box that has Dry fruit. Dry fruit box is placed adjacent to Cutlery box and is above Box 4. 2 boxes are placed between Box5 and the box containing Vegetable. Box1, which is not placed on the top, contains Fruit.

21. If Box 3 contains Candy then how many boxes are placed below Box 6?

A. 3   B. 2   C. 4   D. Can't be determined   E. None of these

22. How many boxes are placed between Cutlery box and Fruit box?

A. None   B. 1   C. 2   D. 3   E. None of these

23. Which of the following shows the position of Chocolate box?

A. Third from the top   B. Adjacent to Cutlery box   C. Second from top
D. Second from bottom   E. None of these

24. Which of the following items is contained in Box 5?

A. Dry fruit   B. Fruit   C. Either Chocolate or Dry fruit   D. Vegetable
E. Can't be determined

25. Which of the following boxes contain Candy?

A. Box 6   B. Box 5   C. Box 4   D. Can't be determined   E. None of these

CORRECT ANSWERS:

1	2	3	4	5	6
C	E	A	C	A	A

11	12	13	14	15	16
B	D	B	A	B	D

21	22	23	24	25
B	D	D	A	D

Common Explanations: (Set 1)

References:
Box P is placed immediately above Box R.

Three boxes are placed between Box R and the box has 180 balls.

Box which has 175 balls is placed immediately above the box, which has 180 balls.

Only one box is placed between the boxes having 175 and 165 balls.

Inferences:
We get two possibilities with respect to above statements,

Case-1: Box P and Box R is placed in 6th and 5th rack respectively. The box which has 180 balls is placed in the lowermost rack. The box which has 175 balls is placed in second rack. The box which has 165 balls is placed infourth rack.

Case-2: Box P and Box R is placed in 2nd and 1st rack respectively. The box which has 180 balls is placed in the 5th rack. The box which has 175 balls is placed in topmost rack. The box which has 165 balls is placed in fourthrack.

By using above information we get the following table as shown,

Case-1			Case-2		
Rack	**Box**	**No. of Balls**	**Rack**	**Box**	**No. of Balls**
6	Box P		6		175
5	Box R		5		180
4		165	4		165
3			3		
2		175	2	Box P	
1		180	1	Box R	

References:
Box U has 210 balls.

Box which has 119 balls is placed immediately above the box which has 190 balls.

Two boxes are placed between the box which has 190 balls and Box K.

Box L is placed above Box M but neither of the boxes is placed in the topmost rack.

Inferences:
From above statements,

Box U has 210 balls and it is placed in 3rd rack (only possibility in both cases)

Case-1: The boxes which have 119 and 190 balls are placed in 6th and 5th rack respectively. Box K is placed in second rack. Finally, Box L and Box M are placed in 4th and 1st rack respectively. All the given condition satisfied and we get the completed arrangement as shown,

Case-2: The boxes which have 119 and 190 balls are placed in 6th and 5th rack respectively. Box K is placed in second rack. Either Box L or Box M is not placed in the topmost rack. Thus this case-2 becomes invalid and it can be eliminated.

By using above information we get the following table as shown,

Case-1			Case-2 [Eliminated]		
Rack	**Box**	**No. of Balls**	**Rack**	**Box**	**No. of Balls**
6	Box P	119	6		175
5	Box R	190	5		180
4	Box L	165	4	Box K	165
3	Box U	210	3	Box U	210
2	Box K	175	2	Box P	119
1	Box M	180	1	Box R	190

Answers :

1. Following the common explanation, we get "153 balls".
Even numbered racks: 2nd rack-Box K-175 balls, 4th rack-Box L-165 balls & 6th rack-Box P-119 ballsSum = 175 + 165 + 119 = 459 balls
Average = 459 balls / 3 = 153
ballsHence, option C is correct.

2. Following the common explanation, we get "None is true".
Hence, option E is correct.

3. Following the common explanation, we get "Box M has 180 balls".Relation: Box P has 119 balls and Box L has 165 balls
Similarly, Box M has 180 ballsHence, option A is correct.

4. Following the common explanation, we get "Box O will placed in Seventh rack".
Hence, option C is correct.

5. Following the common explanation, we get "Box K has 175 balls in it".Hence, option A is correct.

Common Explanation : (Set – 2)

References:
Maximum ten boxes are placed one above the other.

There are four boxes between Box W and Box T, which at the topmost position.

Two boxes are placed between Box W and Box V.

One box is placed between Box V and Box Q, which has 12

balls.One box is placed between Box R and Box Q.

Inferences:
From above statements,

Given, maximum 10 boxes are placed one above the other.

Let the position of the box in lowermost is numbered as 1 and topmost is 10 (note: We start with 10 boxes, if necessary it can be changed with respect to given statements)

Given, Box T is at topmost position. Then, Box W is fifth to below Box T (4 boxes between them)

Box V is placed either 3rd to above Box W or 3rd to below Box W (2 boxes between them). Thus we get twopossibilities.

Case-1: Here, Box V is placed 3rd to above Box W. Then, Box Q (12 balls) is placed 2nd to below Box V (1 box isbetween them). Box R is 2nd to below Box Q (1 box is between them, only possibility)

Case-2: Here, Box V is placed 3rd to below Box W. Then, Box Q (12 balls) is placed 2nd to above Box V (1 box isbetween them, only possibility). Box R is 2nd to above Box Q (1 box is between them, only possibility)

By using above information, we get the following table as shown,

Position	Case-1		Case-2	
	Box	**Balls**	**Box**	**Balls**
Topmost 10	Box T		Box T	
9				
8	Box V			
7				
6	Box Q	12	Box R	
5	Box W		Box W	
4	Box R		Box Q	12
3				
2			Box V	
1 Lowermost				

References:

Box S has 9 balls.

Box placed immediately below of Box V contains one more ball than Box

S.Two boxes are placed between Box R and Box S.

Box S is not placed immediately below of the box, which has even numbered balls.

At least one box is there between topmost box and Box S.

Inferences:

From above statements,

Box S has 9 balls. Then, Box placed immediately below of Box V contains 10 balls (one more ball than Box S)

Case-1: From above statement, the box which is at 4th position from top has 10 balls. Box S (has 9 balls) is placed at lowermost (1st position). Given, minimum 1 box is there between Box T (topmost box) and Box S. In this case there are 8 boxes between Box T (topmost) and Box S. Thus all the conditions satisfied and we get the completed table (Note: There are 10 boxes in the arrangement)

Case-2: From above statement, the box which is at lowermost position has 10 balls. As per 4th reference point, Box S is not placed at 3rd position from bottom since Box Q contains 12 balls, which is at 4th position from bottom. Therefore Box S is placed at 9th position from bottom. Given, minimum 1 box is there between Box T (topmost box) and Box S. But in this case there is no box between Box T (topmost) and Box S, which is not possible. Hence Case-2 can be eliminated.

Position	Case-1		Case-2 [Eliminated]	
	Box	**Balls**	**Box**	**Balls**
Topmost 10	Box T		Box T	
9			Box S	9
8	Box V			
7		10		
6	Box Q	12	Box R	
5	Box W		Box W	
4	Box R		Box Q	12
3				
2			Box V	
1 Lowermost	Box S	9		10

Answers :

6. Following the common explanation, we get "Ten Boxes".

Hence, option A is correct.

7. Following the common explanation, we get "8 boxes are placed between Box T and Box S".

Hence, option D is correct.

8. Following the common explanation, we get "Box Q is 5th to the above Box S".

Hence, option A is correct.

9. Following the common explanation, we get "All of these".

All the given statements are true.

As per question, Box L and Box E are placed at 3rd and 2nd position from bottom.

Position	Box Case-1	Balls
Topmost 10	Box T	
9		
8	Box V	
7		10
6	Box Q	12
5	Box W	
4	Box R	
3	Box L	
2	Box E	
1 Lowermost	Box S	9

Hence, option E is correct.

10. Following the common explanation, we get "6 balls".

We know Box Q = 12 balls and Box S = 9

From question, Box R = (2/1) × Box Q = 2 × 12 = 24 balls

Box S + Box W=27 balls

Box W = 27 − 9 = 18 balls

Difference Box R − Box W = 24 − 18 = 6 balls

Position	Box Case-1	Balls
Topmost 10	Box T	
9		
8	Box V	
7		10
6	Box Q	12
5	Box W	18
4	Box R	24
3		
2		
1 Lowermost	Box S	9

Hence, option C is correct.

Common explanation : (Set – 3)

References
Each sweet box has different weights such as 230g, 170g, 360g, 510g, 340g, 720g, 550g, 690g and 460g.
Weight of Green box is ten grams more than the twice of Grey box.
The weight of the Black box is three times the weight of Blue box.
The Grey box's weight is two-third of weight of Black box
Pink box's weight is equal to the sum of the weight of Blue box and Red box.
The weight of White box is less than Yellow box and more than Orange box.

Inferences
First we'll calculate the weight of each box as per the above hints.

As we have the hint that grey box's weight is two third of the weight of Black box, so first we'll identify such combinations in the given weights.
Only **510 - 340** and **690 - 460** are the satisfying combinations for the weights of black and grey boxes respectively.

But we have another hint that weight of black box is thrice of that of blue box. Thus the second combination where black box's weight is 690 gets eliminated here.

So, the weight of **blue** box is 510 / 3 = **170g** and weights of **black** and **grey** boxesare **510g** and **340g** respectively.

Weight of **green box** is 10 gms, more than twice of weight of grey box, thus weight is = (340 × 2) + 10 = **690g**

Now, Weight of **pink** box = weight of (blue box + red box) or (170 + red box's weight)
So, we'll put the value of available weights to balance the equation.

Value of blue box (a)	Value ofred box (b)	Value of pinkbox (a + b)	Remarks
170	230	400	Not satisfied as the obtained value of pink box is not among the given weights.
170	360	530	Not satisfied as the obtained value of pink box is not among the given weights.
170	720	890	Not satisfied as the obtained value of pink box is not among the given weights.
170	**550**	**720**	**Satisfies the condition as 720 is one of the given weights.**

Now available weights are - 230g, 360g and 460g.
As weight of white box is less than that of Yellow but more than that of Orange, so the weightsof
white, **yellow** and **orange** boxes are **360g**, **230g** and **460g** respectively.

Box color	Weight (in gm)
Green	690
White	360
Pink	720
Black	510
Grey	340
Red	550
Yellow	230
Blue	170
Orange	460

References
Number of box below the Box which is 340g and above the box which is 170g is same.Red box is not placed in the lower most rack.
The Red box and Black box is arranged in the adjacent racks.
More than one box is placed below the Black box.
Only two boxes are placed between Red box and Green box.
Blue box is above Green box and only one box is placed between them.
Red box is placed below the Blue box.

Inferences

Following three cases can be drawn using the above information.

Case1 {Eliminated because number of box below 340g and that of above 170g is not same}

Rack number	Box color	Weight(in gm)
9		
8		
7	Blue	170
6		
5	Green	
4		
3	Black	510
2	Red	550
1		

Case2 (When No box is above 170g and no box is below 340g)

Rack number	Box color	Weight (in gm)
9	Blue	170
8		
7	Green	690
6		
5		
4	Red	550
3	Black	510
2		
1	Grey	340

Case 3 (When One box is above 170gand One box is below 340g)

Rack number	Box color	Weight (in gm)
9		
8	Blue	170
7		
6	Green	690
5		
4	Black	510
3	Red	550
2	Grey	340
1		

References

Inferences

Case 2 fails as it does not meet the second hint.

If we place Orange box immediately above Green box then the condition that no. of boxes between white and grey is twice of that of between white and yellow box will violate. Thus Orange box will be placed at a difference of two boxes from green box, similarly the difference of boxes between black and pink box is also 2.

Thus the final arrangement is obtained from case 3.

Rack number	Box color	Weight (in gm)
9	Orange	460
8	Blue	170
7	Yellow	230
6	Green	690
5	White	360
4	Black	510
3	Red	550
2	Grey	340
1	Pink	720

Answers :

11. Following the common explanation, we get **"290 grams".**

Weight of Orange box is 460g and weight of Blue box i.e. box with minimum weight is 170 g.

Thus required difference is 290g.

Hence, option B is correct.

12. The following common explanation, we get **"Grey box-340 grams".**

Hence, option D is correct.

13. The following common explanation, we get **"Pink box - 720 grams"**

Hence, option B is correct.

14. The following common explanation, we get **"440".**

Green = 690g, Blue = 170g, Yellow = 460g then Average = [690 + 170 + 460]/3 = 1320/3 = 440g.

Hence, option A is correct.

15. The following common explanation, we get **"Two Boxes".**

Hence, option B is correct.

Common explanation : (Set – 4)

Reference:

Only five boxes are placed between A and
C.E is placed immediate above C.
Only three boxes are placed between E and D.

Inference:
Following 5 cases are possible:

Case-1	Case-2	Case-3	Case-4	Case-5
A		E		
D	A	C	E	
	D		C	A
				D
		D		
E			D	
C	E			
	C	A		E
			A	C

Reference:

Number of boxes placed between A and D is same as between B and E.
Not less than four boxes are placed between E and F.
One box is placed between F and G.
Box I is placed above box H.

Inference:

All the cases except Case3 eliminate as they do not satisfy the third hint.

Case-1 [Eliminated]	Case-2 [Eliminated]	Case-3	Case-4 [Eliminated]	Case-5 [Eliminated]
A		E		
D	A	C	E	
	D	I	C	A
		B		D
B		D	B	
E	B	H	D	
C	E	F		B
	C	A		E
		G	A	C

Thus the final arrangement is as follows:

Case-3
E
C
I
B
D
H
F
A
G

Answers :

16.   3 boxes are placed between I and F.

Hence option D is correct.

17.   E is related to G in a way that their positions from top and bottom are same, similarly F is related to I, in the same way A is related to C.

Hence option C is correct.

18.   I is placed immediate above B.

Hence option D is correct.

19.   D is placed exactly in the middle.

Hence option B is correct.

20.   I and D are placed immediately above and immediately below B.

Hence option A is correct.

Common explanation : (Set – 5)

Reference:

Box 2 contains Cutlery and is placed just above Candy box.
3 boxes are placed between Box 4 and the box that has Dry fruit.
Dry fruit box is placed adjacent to Cutlery box and is above Box 4.

Inference:

With the given hints following cases are possible:

Case1		Case2	
Box	**Item**	**Box**	**Item**
	Dry fruit		
2	Cutlery		Dry fruit
	Candy	2	Cutlery
			Candy
4			
		4	

Reference:

Box 5 is not placed below Box 2.
2 boxes are placed between Box5 and the box containing Vegetable.Box1,
which is not placed on the top, contains Fruit.
Candy box is placed above Chocolate box

Inference:

Case2 eliminated as it does not fulfill the last hint.

Case1		Case2 [Eliminated]	
Box	**Item**	**Box**	**Item**
5	Dry fruit		
2	Cutlery	5	Dry fruit
	Candy	2	Cutlery
	Vegetable		Candy
4	Chocolate		Vegetable
1	Fruit	4	

Therefore in absence of further hints, we cannot determine the box number of the boxes at third and fourthpositions from top.

Case1	
Box	**Item**
5	Dry fruit
2	Cutlery
3/6	Candy
3/6	Vegetable
4	Chocolate
1	Fruit

Answers :

21.   If Box 3 contains Candy then 2 boxes are placed below Box 6.

Hence option B is correct.

22.   3 boxes are placed between Cutlery box and Fruit box.

Hence option D is correct.

23.   Second from bottom is the position of Chocolate box.

Hence option D is correct.

24. Box 5 contains Dry fruit.

Hence option A is correct.

25. Either Box 3 or Box 6 contains Candy.

Hence option D is correct.

ODD ONE OUT QUESTIONS WITH ANSWERS

Question 1:

Question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: Varanasi

Option 2: Agra

Option 3: Haridwar

Option 4: Allahabad

Answer: 3. Haridwar

Explanation: Except Haridwar all are city of Uttar Pradesh while Haridwar is the city of Uttrakhand

Question 2:

In the following question,three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: Psychology : Algae

Option 2: Ornithology : Birds

Option 3: Mycology : Fungi

Option 4: Biology : Botany

Answer: 4. Biology : Botany

Question 3:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 46 – 10

Option 2: 42 – 33

Option 3: 20 – 38

Option 4: 91 – 12

Answer: 4. 91 – 12

Explanation: except option (4) all options have same digital sum. means

LHS sum of digit = RHS sum of digit.

Question 4:

In the following question, three of the following four are alike in a certain way and therefore form a group. Which is the one that does not belong to that group?

Option 1:(17, 71)

Option 2:(23, 32)

Option 3:(19, 90)

Option 4:(46, 64)

Answer: 4. (19, 90)

Explanation: Except option (3) all are follow "ab = ba" rule

Question 5:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: Sphere

Option 2: Circle

Option 3: Square

Option 4: Triangle

Answer: 1. Sphere

Explanation: Sphere is a three dimension figure but rest are two dimension figure.

Question 6:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: TONGUE

Option 2: NOSE

Option 3: HAND

Option 4: EYES

Answer: 4.HAND

Explanation: The five sense organs in the human body are eyes, ears, tongue, nose and skin. HAND is not a sense organ.

Question 7:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1:56

Option 2:28

Option 3:36

Option 4:35

Answer: 3:36

Explanation: Except 36 all are divisble by 7

Question 8:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group

Option 1: 222

Option 2: 10

Option 3: 68

Option 4: 125

Answer: 4:125

Explanation: 125 is the cube of 5

Question 9:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 36

Option 2: 96

Option 3: 16

Option4: 80

Answer: 1:36
Explanation: Except 36 all are multiple of 16 .

Question 10:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 41,4
Option 2: 83,6
Option 3: 74,7
Option 4: 97,9

Answer: 2:83, 6

Explanation: Except option (2) all have second term as the first no, of first term .

Question 11:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 24

Option 2: 28

Option 3: 42

Option 4: 56

Answer: 1:24

Explanation: Except 24 all are multiple of 7.

Question 12:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 63
Option 2: 69
Option 3: 65
Option 4: 66

Answer: 3:65

Explanation: Except 65 all are divisble by 3.

Question 13:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group

Option 1: 108

Option 2: 91

Option 3: 144

Option 4: 225

Answer: 2: 91

Explanation: Except 91 all are divisble by 9.

Question 14:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 1-5

Option 2: 4-20

Option 3: 5-65

Option 4: 7-35

Answer: 3: 5 – 65

Explanation: first term multiply by 5 = second term rule followed except option (3).

Question 15:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1:PORTRAIT

Option 2:DRAW

Option 3:PAINT

Option 4:SKETCH

Answer: 3: PAINT

Explanation: Paint is odd because others are types of paintings but paint is an object used for the work.

Question 16:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: 101

Option 2: 212

Option 3: 326

Option 4: 111

Answers: 3: 326

Explanation: Only 111 is divisible by 3

Question 17:

In the following question, three of the following four are alike in a certain way and therefore form a group. Which is the one that does not belong to that group?

Option 1:ACB

Option 2:GIH

Option 3:MON

Option 4:PQR

Answer: 4: PQR

Explanation: option (4)

Question 18:

In the following question, three of the following four are alike in a certain way and therefore form a group. Which is the one that does not belong to that group?

Option 1:D

Option 2:E

Option 3:F

Option 4:G

Answer: 2: E

Explanation: option (2) is a vowel.

 Question 19:

In the following question, three of the following four are alike in a certain way and therefore form a group. Which is the one that does not belong to that group?

Option 1: M

Option 2: N

Option 3: O

Option 4: P

Answer: 1: M

Explanation: M = 13 which is a prime no. so option (1) is correct

 Question 20:

In the following question, three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?

Option 1: A

Option 2: O

Option 3: I

Option 4: N

Answer: 4: N

Explanation: Except N all are vowels.