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CLASSIFICATION

1. Which of the following does NOT belong to this group?

- A. Mauve B. Purple
C. Green D. Pillar
(a) C (b) B
(c) D (d) A

RRB Group-D – 19/09/2018 (Shift-II)

Solution:

In the following, Mauve, purple and green are indicated to the colours. whereas 'Pillar' belong to the under 'Architecture' And It do not indicate to the colour. so 'Pillar' does not belong to this group.

2. Which of the following does NOT belong to this group.

- A. Banana B. Lychee
C. Lettuce D. Kiwi
(a) D (b) B
(c) A (d) C

RRB Group-D – 20/09/2018 (Shift-II)

Solution:

In the given options, Banana, Lychee and Kiwi are a type of fruit whereas lettuce is a type of grass. So it is clear that lettuce does not belong to this group.

3. Select that word which is not belongs to the group.

- (a) Hip-Hop (b) Odissi
(c) Kathakali (d) Bharatanatyam

RRB Group-D – 20/09/2018 (Shift-III)

Solution:

Kathakali, Bharatanatyam and odissi are the Indian classical dances, whereas Hip Hop is a foreign dance style. Hence Hip Hop is different from these three.

4. Which of the following does NOT belong to this group ?

A. Circle B. Volume
C. Square D. Rectangle

(a) A (b) B

(c) C (d) D

RRB Group-D – 28/09/2018 (Shift-II)

Solution:

In the given group, circle, square and rectangle are a geometric shape whereas volume is a geometric measurement.

5. Which of the following does NOT belong to this group.

(A) Hole (B) Skirting

(C) Gap (D) Crack

(a) A (b) B

(c) C (d) D

RRB Group-D – 28/09/2018 (Shift-III)

Solution:

In the given group, hole, gap and crack are the synonyms of each other, and skirting is different of these three. So option (b) is not related to this group.

6. Find the odd from given options.

1. Which of the following does NOT belong to this group.

A. Mauve B. Purple

C. Green D. Pillar

(a) C (b) B

(c) D (d) A

RRB Group-D – 19/09/2018 (Shift-II)

Solution:

In the following, Mauve, purple and green are indicated to the colours. whereas 'Pillar' belong to the under 'Architecture' And It do not indicate to the colour. so 'Pillar' does not belong to this group.

7. Which is odd from the following ?

A. Dog B. Goat

C. Cow D. Lion

(a) C (b) D

(c) B (d) A

RRB Group-D – 30/10/2018 (Shift-II)**Solution:**

Dog, Goat and Cow is a pet/domestic animal whereas Lion is a wild animal. So Lion is not belong to this group

8. Which of the following does NOT belong to this group.

- A. Fox B. Goat
C. Horse D. Zebra
(a) A (b) B
(c) D (d) C

RRB Paramedical 21.07.2019 Shift : III

Solution:

Fox is a carnivorous animal whereas goat, horse and Zebra are herbivorous animals. So fox is different from others.

9. Which of the following does NOT belong to this group?

- A. Ant
B. Caterpillar
C. Hamster
D. Locust
(a) A (b) C
(c) B (d) D

RRB Group-D – 18/09/2018 (Shift-II)

Solution:

Hamster is a type of rat which belong to the species of animal whereas ant, Caterpillar and Locust are related to the insects.

10. Select that is not belongs to group.

- (a) Hydrogen (b) Aluminium
(c) Gold (d) Silver

RPF Constable 20.01.2019 Shift : II

Solution:

Hydrogen is a gas whereas Aluminium, gold and silver are metals.

Coding - Decoding

(1) Question: In a certain code language, if NEAT is coded as 3409 then LEARN will be coded as ?

- (a) 14084 (b) 14073
(c) 14072 (d) 14083

Exam: RRB Group-D – 19/09/2018 (Shift-III)

Answer: (b)

Solution: As,

N opposite E

E opposite A

A opposite T

Similarly,

L opposite E

E opposite A

A opposite R

R opposite N

(2) Question: In a certain code language, if PIPE is coded as

RRB Group-D – 19/09/2018 (Shift-I)

169165 then the last letter of SWAN will be coded as.

- (a) 4 (b) 6
(c) 5 (d) 3

Exam: RRB Group-D – 17/09/2018 (Shift-I)

Answer: (a)

Solution: According to the alphabetical order-

P opposite I

I opposite P

E opposite E

Similarly,

S opposite S

W opposite W

A opposite A

N opposite N

Last digit of the code of SWAN will be 4. Taking the unit digit in all.

(3) Question: In a certain code language, if TEEN is coded as 205514 then ENTER will be coded as ?

(a) 51520518 (b) 51420618

(c) 51520618 (d) 51420518

Exam: RRB Group-D – 22/09/2018 (Shift-I)

Answer: (d)

Solution: According to the alphabetical order-

T opposite E

E opposite N

E opposite E

N opposite T

Similarly,

E opposite E

N opposite N

T opposite T

E opposite E

R opposite R

ENTER = 51420518

(4) Question: In a certain code language, if YELL is coded as 2551212 then TALE will be coded as ?

(a) 201125 (b) 201135

(c) 211125 (d) 201126

Exam: RRB Group-D – 24/09/2018 (Shift-II)

Answer: (a)

Solution: As, YELL → 25 5 12 12

Y → 25

E → 5

L → 12

L → 12

Similarly,

T → 20

A → 1

L → 12

E → 5

TALE → 201125

(5) Question: In a certain code language, if LET is coded as 12520 then WIN will be coded as ?

(a) 23914 (b) 23915

(c) 24315 (d) 21914

Exam: RRB Group-D – 24/09/2018 (Shift-I)

Answer: (c)

Solution: As,

T H A T

L E T

↓↓↓ (Place value) ↓↓↓↓

12 9 20

20 8 1 20

T → 20

H → 23

A → 1

T → 20

Similarly,

W → 24

I → 9

SERIES

(1) 1. Find the next term in the below series.

25, 31, 38, 46 —————

(a) 60 (b) 54

(c) 55 (d) 58

RRB Group-D – 16/10/2018 (Shift-III)

Ans: (c) The series is as follows

+3 +3 +3 +3

25 → 31 → 38 → 46 → 55

(2) 2. Select the missing number from the given series.

7, 10, 14, ?, 25, 32

(a) 19 (b) 18

(c) 20 (d) 15

RRB Group-D – 20/09/2018 (Shift-II)

Ans : (a) The series is as follows-

+3 +4 +5 +6 +7

7 → 10 → 14 → 19 → 25 → 32

Hence ? = 19

(3) 3. Select the missing number from the given series-

3, 2, 8, 7, 13, 12, ?

(a) 26 (b) 27

(c) 18 (d) 17

RRB Group-D – 28/09/2018 (Shift-III)

Ans : (c) The series is as follows

3 2 8 7 13 12

Hence ? = 18

(4) 4. Select the missing number from the given series.

9, 11, 15, 17, 21, 23, ?

(a) 30 (b) 28

(c) 27 (d) 29

RPF Constable 25.01.2019 Shift : I

Ans : (c) 9, 11, 15, 17, 21, 23.....

Hence ?=27

(5) 5. Complete the following number series by choosing appropriate option

Type - 1

1, 8, 27, 64,,, 343,....., 729

(a) 125, 262, 515 (b) 145, 261, 512

(c) 125, 216, 512 (d) 125, 213, 510

RRB Group-D – 16/10/2018 (Shift-III)

Ans. (c) 1, 8, 27, 64.....,..... 343, 729

3 3 3 3 3 3 3 3 3

= 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9

Hence missing number = 125, 216, 512

(6) 6. Select the missing number from the given series.

27, 29, 33, ?, 57

(a) 35 (b) 40

(c) 30 (d) 41

RRB Group-D – 17/09/2018 (Shift-II)

Ans. (c) : The series is as follows

Hidden number = 21

(7) 7. Select the missing number from the given series.

1, 9, 18, 28,

(a) 38 (b) 36

(c) 39 (d) 37

RRB Paramedical 20.07.2019 Shift : I

Ans. (a) : The series is as follows

+9 +9 +9 +9 +9

1→9→18→28→38

(8) 8. Select the missing number from the given series.

75, 81, 88, 96,

(a) 105 (b) 115

(c) 110 (d) 104

RPF SI 16.01.2019 Shift : I

Ans. (a) The series is as follows

+6 +7 +8 +9

75→81→88→96→105

Hence the next term in the series is 105.

(9) 9. Identify the wrong number in the following series-

1, 8, 27, 125, 342, 1331

(a) 1331 (b) 27

(c) 342 (d) 125

RRB Group-D – 26/09/2018 (Shift-II)

Ans. (c) : 1, 8, 27, 125, 342, 1331

3 3

1 = 1

3

2 = 8

3

3 = 27

3

DISTANCE AND DIRECTION

(1) Ravi walks 4 km towards east. Then he turns right and walks 3 km. Again he turns right and continues walking. Which direction is he going now?

- (a) North (b) West
(c) South (d) East

RRB Paramedical 20.07.2019 Shift : III

Ans : (b)

(2) Meenu goes to the grocery store on the right near her house. The entrance of her house is on the east side. After entering in the shop she turns to her right and walks towards a corridor containing fresh product. In which direction is she going?

- (a) West (b) North
(c) South (d) East

RRB Group-D – 28/09/2018 (Shift-II)

Ans. (a)

(3) Pranitha goes in the north direction, and then turns right. Now in which direction is Pranitha going?

- (a) East (b) West
(c) South (d) North

RRB Group-D – 05/10/2018 (Shift-II)

Ans. (a)

(4) Pavani is walking towards south. Then she turns left and walks 5 km, she again turns left and continues walking. Which direction is she walking now?

- (a) West (b) North
(c) South (d) East

RRB Paramedical 20.07.2019 Shift : III

Ans : (b)

It is clear from that Pavani is going in the North direction.

(5) Ananya crossed a road after leaving her house. By reaching the other side of the road, she turned left and straightened. If she is now in the west direction, then what direction was she before crossing the road?

(a) North (b) South

(c) East (d) West

RRB Group-D – 28/09/2018 (Shift-I)

Ans : (b)

Therefore it is clear that Ananya was in the South direction before crossing the road.

(6) Murali takes his dog on a walk. He turns left at a crossroads and walks south. In which direction was he moving before turning to the left?

(a) South (b) North

(c) West (d) East

RRB Group-D – 28/09/2018 (Shift-I)

Ans. (c)

It is clear from the question that Murali was walking towards West before turning to the left.

(7) Mr. Z stand facing towards East. They turn left and walk 5 km and reach point A. Then they turn left and walk 4 km and reach point B. Then they turn right and walk 3 km and reach point C. Finally turn right and walk 10 km and reach point D. Which direction is Mr. Z facing at point B.

(a) North (b) South

(c) West (d) East

RRB Group-D – 24/10/2018 (Shift-I)

Ans : (c)

So it is clear that at point B, Mr. Z is facing West.

(8) Mr. Z stand facing towards east. They turn left and walks 5 km and reach point A. Then they turn left and walk 4 km and reach point B. Then they turn right and walk 3 km and reach the point C. Then they turn right and walk 10 km and reach the point D. Now which direction is Mr. Z's face at point D.

- (a) North (b) South
(c) West (d) East

RRB Group-D – 26/10/2018 (Shift-III)

Ans : (d)

Z is facing in East direction.

(9) Mr. X starts marathon race from point A. He runs 5 km in North direction and reaches point B, then turns right and runs 6 km and reach point C again turns right and runs 8 km and reaches point D, again turn right and runs 10 km and reaches point E, again turn right and runs 6 km reaches point F, then turn right and run 1 km reaches point G, again finally right turn and runs 3 km and reaches point H.

Which direction is face of Shri X at point F?

- (a) South
(b) North
(c) West
(d) East

RRB Paramedical 20.07.2019 Shift : I

Ans : (b)

It is clear from the question that Mr. X turns to the right from point E, then his face will be towards North.

(10) Shri X runs in marathon race from point A. He runs 5 km in North direction and reaches at point B, then turns right and runs 6 km and reach at point C, then turns right and runs 8 km and reach at point D, then turns and runs 10 km and reaches at point E, then turn right and runs 6 km reaches at point F, then turns right and runs 1 km and reaches at point G, then turns right and runs 3 km and reaches at point H.

Which direction is face of Shri X at point F?

- (a) South
(b) North
(c) West
(d) East

RRB Paramedical 20.07.2019 Shift : I

- (a) North-East
(b) South-West
(c) South-East
(d) North-West

RPF SI 05.01.2019 Shift : III

Ans : (c)

Hence, he is in South-East direction from his initial position.



BLOOD RELATION

(1) Puni is the daughter of Avani and Amit is the son of Avani's brother. How is Amit's father related to Puni? (a) Father (b) Cousin (c) Brother (d) Maternal uncle, RRB Group-D

– 22/09/2018 (Shift-I),

Answer. (d)

Puni

|

Avani

|

Amit's father

Amit is the son of Avani's brother. Since Amit's father is the brother of Avani, he is the maternal uncle of Puni.

(2) Suman introduces Mahesh and Kumesh as sons of her son's uncle. The boys are Suman's- (a) Cousin Brothers (b) Sons (c) Friends (d) Nephews, RRB Group-D – 22/09/2018 (Shift-I), Ans. (d)

Mahesh and Kumesh are sons of Suman's son's uncle. Since uncle is sister's husband or brother, Mahesh and Kumesh are nephews of Suman.

(3) Sharada is the granddaughter of Surya and Kiran is the only son of the Surya. Then how is sharada related to kiran? (a) Aunt (b) Daughter (c) Mother (d) Cousin Sister, RRB Group-D – 16/10/2018 (Shift-II), Answer. (b)

Surya

|

Kiran

/ \

Sharada

Sharada is granddaughter of Surya. Kiran is son of Surya. So Sharada is daughter of Kiran.

(4) Pointing to a man Pankaj says, "He is the brother of my uncle's daughter." How is this man related to Pankaj? (a) Cousin Brother (b) Son (c) Nephew (d) Uncle, RRB Group-D – 01/10/2018 (Shift-III), Ans : (a)

Uncle
/ \
Daughter Man
\
Pankaj



AR PUBLICATION

Since the given man is brother of Pankaj's uncle's daughter, he is cousin brother of Pankaj.

(5) Supriya is sister of Akhil. How is mother of Akhil's father related to Supriya? (a) Grandmother (b) Sister (c) Aunt (d) Mother, RRB Group-D – 20/09/2018 (Shift-II), Ans : (a)

Akhil's father's mother

|

Supriya

|

Akhil

Mother of Akhil's father is grandmother of Supriya.

(6) Pointing to a person, Nitish Says, "His only brother is the father of my daughter's father." How is the person related to Nitish? (a) Father (b) Grandfather (c) Uncle (d) Brother-in-law, RRB NTPC 30.04.2016 Shift : 3, Ans. (c)

Nitish's daughter's father

|

Uncle

/ \

Person

Since the only brother of the person is father of Nitish's daughter's father, the person is uncle of Nitish.

(7) Vimal is the son of Mikka and Nina is the daughter of Milan. Milan is the sister of Mikka, How is Milan related to Vimal? (a) Cousin (b) Sister (c) Maternal Aunt (d) Paternal Aunt, RRB Group-D – 26/09/2018 (Shift-I), Ans : (d)

ARITHMETICAL OPERATIONS

1. If L means +, M means –, N means \times and P means \div then the value of $28N5L50P5M4$?
 (a) 170 (b) 146
 (c) 150 (d) 148

RRB Group-D – 29/10/2018 (Shift-III)

Ans: (b)

2. If P means \div , Q means \times , R means + And S means – then the value of $14Q16P4R7S10$?
 (a) 52 (b) 48
 (c) 53 (d) 50

RRB Group-D – 24/10/2018 (Shift-I)

Ans: (c)

3. If 'A' means '+', 'B' means '-', 'C' means ' \times ' and 'D' means ' \div ' then the value of $(1D 1 C 1) A (2 C 2 D 2) A (3 D 3 C 3) B (4 C 4 D 4)$?
 (a) 3 (b) 10
 (c) 2 (d) 6

RRB JE - 31/05/2019 (Shift-III)

Ans: (b)

4. If Q means +, J means \times , T means – And K means \div then the value of $18K3Q7J2T8$?
 (a) 10 (b) 15
 (c) 18 (d) 12

RRB Group-D – 17/09/2018 (Shift-II)

Ans: (d)

5. If P means ' \div ' R means ' \times ' Q means '+' And S means '-' then $36 P 6 Q 7 R 8 S 11 = ?$

(a) 45 (b) 51

(c) 52 (d) 62

RRB Paramedical 20.07.2019 Shift : II

Ans: (b)

6. If 'P' means '+', '-' means 'x', 'x' means '+', and '÷' means '-', then $3 \times 2 + 4 - 2 \div 9 = ?$

(a) 11 (b) 14

(c) 16 (d) 9

RRB JE - 23/05/2019 (Shift-I)

Ans: (b)

7. If '+' means 'x', '-' means ÷, 'x' means '+' and '÷' means '-' compute the value of the expression $15 + 9 \times 10 \div 5 = ?$

(a) 140 (b) 190

(c) 145 (d) 130

RRB NTPC 02/04/2016 Shift : III

Ans: (a)

8. If '+' means 'x', '-' means ÷, 'x' means '+' and '÷' means '-' compute the value of the expression $15 + 7 \times 12 \div 7 = ?$

(a) 11 (b) 4

(c) 5 (d) 14

RRB NTPC 02.04.2016 Shift : III

Ans: (a)

9. If '÷' denotes "multiplication", "-" denotes

"addition", "+" denotes "division" and "x" denotes "Subtraction", then which of the following is the value of the expression?

$$19 \div 9 \times 51 - 171 + 19$$

(a) 143 (b) 129

(c) 179 (d) 151

RRB NTPC 22.04.2016 Shift : 2

Ans: (b)

10. If '+' means 'x', '-' means \div , 'x' means '+' and ' \div ' means '-' then what will be the value of $208 - 4 + 3 \div 23 \times 57$?

(a) 339 (b) 395

(c) 401 (d) 490

RRB NTPC 28.04.2016 Shift : 3

Ans: (a)

11. If '+' means 'x', '-' means \div , 'x' means '+' and ' \div ' means '-' compute the value of $225 \div 5 + 96 - 3 \times 31$?

(a) 86 (b) 96

(c) 106 (d) 116

RRB NTPC 28.04.2016 Shift : 2

Ans: (a)

12. If '+' means 'x', '-' means \div , 'x' means '+' and ' \div ' means '-' then what will be the value of $48 - 3 + 8 \times 9$?

(a) 136 (b) 137

(c) 138 (d) 104

RRB NTPC 10.04.2016 Shift : 3

PUZZLE TEST

1. Arun, Badri, Chitra, Derek, Evan and Fatima. Vishwajeet gets a north facing flat and is not next to Derek. Derek and Fatima get diagonally opposite flats. Chitra is next to Fatima, and gets a south facing flat. Evan gets a north facing flat., (a) Arun and Vishwajeet (b) Fatima and Chitra (c) Evan and Chitra (d) Evan and Arun

Answer: (c)

Explanation: Based on the information given, we can draw the layout of the flats like this:

Vishwajeet - North
 Derek - South
 Fatima - North
 Chitra - South (next to Fatima)
 Evan - North



This means Evan and Chitra are diagonally opposite to each other.

2. P, Q, R, S, T and U adopt different businesses. Out of them one is politician, one is actor, one is bank employee, one is Ex-serviceman, one is Nurse and one is house wife. Consider the instructions given below and answer the following questions based on it– 1. R is an ex serviceman married to a house wife. 2. Q is a actor/hero whose brother T is not a politician. 3. U is neither a bank employee nor a politician. 4. P is the wife of R., (a) Arun, Chitra and Fatima

Answer: (a)

Explanation: Based on the information given, we can deduce:

R - Ex-serviceman
 R's wife - Housewife
 Q - Actor
 T - Not politician (Q's brother)
 U - Not bank employee or politician
 P - Wife of R

This matches the option (a).

3. P, Q, R, S, T and U adopt different businesses. , (a) H (b) T (c) I (d) K

Answer: (c)

Explanation: From question number (2) I stands at the left end.

4. Amar, Babu, Sera and Diya was told to solve the question paper consisting of multiple choice question which has 1, 2, 3, 4 options. The answer booked marked by them is told here.

Answer: Not enough information to answer this question. We need the answer options along with it.

5. Seven friends A, B, C, D, E, F and G like different colours such as Red, Blue, White, Pink, Green, Black and Yellow, but not necessarily in the same order. They all have different hobbies and they like different activities such as Singing, Painting, Reading, Cooking, Dancing and Fishing but not necessarily in the same order. D is fond of Singing, one who is fond of Cooking, loves pink colour. A likes yellow colour. He who loves fishing loves green colour. F is fond of reading. D and F do not like black colour. One who is fond of dancing and one who is fond of painting does not like black colour. A is not fond of painting. One who is fond of painting does not like Red and white colours, D does not like Red colour. E is neither fond of painting nor cooking. E does not like green colour. G does not like green and black colour. B's hobby is not fishing. Who among the following likes pink colour.

Answer: (b)

Based on the information given:

- One who likes cooking likes pink colour
- D likes singing
- A likes yellow
- F likes reading
- F and D don't like black
- One who dances and one who paints don't like black
- A doesn't paint
- Painter doesn't like red and white
- D doesn't like red
- E doesn't cook or paint
- E doesn't like green
- G doesn't like green or black
- B doesn't fish

By eliminating the options methodically, we can determine that G likes pink colour.

(5) Five students- Anil, Varuna, Chitra, Dev and Elsa represent their school in five different sports such as - Cricket, Football, Basket ball, Batminton and Wrestling. Anil plays Football, Varuna and Dev do not play cricket or badminton, Chitra do not play wrestling. Elsa do not play cricket, Badminton or wrestling., (a) Anil (b) Varun (c) Chitra (d) Dev, RRB NTPC 28.04.2016 Shift : I, Answer: (c), Explanation: Based on the given information, we can deduce that:

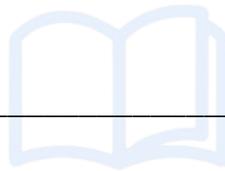
Anil - Football

Varuna and Dev - Kabaddi or Basketball (not cricket or badminton)

Chitra - Cricket

Elsa - Wrestling

So Chitra plays cricket.



(6) Five Men Ajay, Vijay, Chag, Danny and Ealv are sitting facing south direction in row, while five women Meena, Naini, Oishi, Parul and Sakshi are seated with Ear seated with E who is on the left edge of the bench. Vijay who is sitting immediate to Danny is in front of Sakshi. Chag and Naini are in front of each other in the diagonal. Ealv is in front of oishi who is just to the right of Meena. Parul who is sitting to the immediate left of Sakshi is in front of Danny. Meena is sitting at one end of the row., (a) Danny (b) Ajay (c) Ealv (d) Oishi, RRB Paramedical 20.07.2019 Shift : II, Answer: (b), Explanation: According to the question, Vijay is sitting immediate left of Danny and in front of Sakshi. Ajay is the second person to the right of Vijay.

(7) Which of the following group is in front of each other in the diagonal ? , (a) Ealv and Sakshi (b) Vijay and Oishi (c) Ajay and Danny (d) Ajay and Meena, RRB NTPC 27.04.2016 Shift : I, Answer: (d), Explanation: As per the given details about the sitting arrangement, Ajay and Meena are facing each other diagonally.

STATEMENT AND CONCLUSION

1. **Statement:** Out of 60 students, 15 were selected to represent the school quiz competition.

Conclusion:

I. Only 15 students in the school are intelligent.

II. The participating school were given a maximum limit of the number of students per school.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both conclusion I and II follows.
- (d) Neither conclusion I nor II follows.

RRB NTPC 03.04.2016 Shift : 3

Ans. (d)

2. **Statement:** Religions teach the quelling principle for one's life.

Conclusion:

I. Religion is way of life.

II. Religion is a teacher.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) both I and II follows.
- (d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (a)

3. **Statement:** A. Confusion causes mental tension.

B. Mental tension causes anxiety.

Conclusions:

I. Anxiety is a disease.

II. Confusion lead to anxiety.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.

- (c) Both I and II follows.
(d) Neither I nor II follows.
RRB NTPC 03.04.2016 Shift : 1
Ans. (b)
-

4. Statement: Money plays an important role in politics.

Conclusion:

- I. Poor people can never become politician.
II. All the rich people participate in politics.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Either conclusion I or II follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 12.04.2016 Shift : 1

Ans. (d)

5. Statement: (1) No country in the world has achieved self-sufficiency.

(2) Mechanization has failed.

Conclusion:

- (I) It is not possible to become self-reliant.
(II) Human labor is more productive than a machine. Decide which of the given conclusions logically follows the given steps.

- (a) Only conclusion II follows.
(b) Both conclusion I and II follow.
(c) None of these conclusions follow.
(d) Only conclusion I follows.

RRB NTPC 28.03.2016 Shift : 3

Ans. (c)

6. Statement: Sound is produced when something vibrates. The vibrating body causes the medium around it to vibrate.

Conclusion:

- I. By medium, they mean only air
II. Sound is produced by vibration

- (a) Only conclusion I follows.
(b) Both the conclusions follow.
(c) Only conclusion II follows.

(d) No conclusion follows.

RRB NTPC 11.10.2018 Shift : 1

Ans. (c)

7. Statement: Religions teach the quelling principle for one's life.

Conclusion:

I. Religion is way of life.

II. Religion is a teacher.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) both I and II follows.

(d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (a)

8. Statement: Some countries in the world has achieved self-sufficiency.

(1) Mechanization has been successful.

Conclusion:

(I) Self-reliance is possible.

(II) Human labor is less productive than machine.

(a) Only conclusion II follows.

(b) Both conclusion I and II follows.

(c) Non of these conclusion follows.

(d) Only conclusion I follows.

RRB NTPC 28.03.2016 Shift : 3

Ans. (a)

9. Statement: According to a recent health survey, people who exercise for at least half an hour every day are less prone to life style disease.

Conclusion:

I. General exercise is necessary to live a healthy life.

II. All those people who do not have any exercise in their routine suffer from lifestyle disease.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) Both conclusion I and II follows.

(d) Neither conclusion I nor II follows.

CLOCK AND CALENDAR

1. The hands of a clock form an acute angle and reflex angle. The value of the reflected angle is: (RRB NTPC 05.04.2016)

- a) 225°
- b) 275°
- c) 300°
- d) 180°

Answer: The hour hand in the clock rotates at an angle of 30° in 1 hour. At 2 pm the angle between the hour hand and minute hand is 60° . The reflex angle is $360^\circ - 60^\circ = 300^\circ$.

2. How many degrees does the hour-hand and the minute-hand make at 10:00 O' Clock? (RRB NTPC 28.03.2016)

- a) 30°
- b) 45°
- c) 60°
- d) 90°

Answer: The angle made by hour hand in 1 hour is 30° . At 10:00 am, angle made by hour hand is $10 \times 30 = 300^\circ$. The angle made by minute hand in 1 hour is 360° . Hence, the angle between them is $360^\circ - 300^\circ = 60^\circ$.

3. What will be the smaller of the two angles formed by the hour hand and the minute hand at 3:47 p.m.? (RRB ALP & Tec. 21-08-18)

- a) 162°
- b) 166.5°
- c) 168.5°
- d) 165°

Answer: Using the formula $M = H \times 30 \pm \theta$, we get:

$$47 = 3 \times 30 + \theta$$

$$141 = 90 + 2\theta$$

$$2\theta = 51$$

$$\theta = 25.5$$

$$\text{Smaller angle} = 360^\circ - 25.5^\circ = 168.5^\circ$$

4. What is the measure of the smaller of the two angles formed between the hour hand and the minute hand of a clock when it is 5:49 p.m.? (RRB ALP & Tec. 17-08-18)

- a) 120°
- b) 119°
- c) 120.5°
- d) 119.5°

Answer: Using the formula $M=(H \times 30 \pm \theta)/11$,

We get: $49=5 \times 30 + \theta$

$149=150 + 2\theta$

$2\theta=1$

$\theta=0.5$

Smaller angle = $360^\circ - 0.5^\circ = 119.5^\circ$

5. What is the time between 2:00 and 3:00 in a clock when 60 angle is made between the hour-hand and minute-hand? (RRB Group-D 20/09/2018)

- a) 2 O' clock 20 minute
- b) 2 O' clock 21 minute
- c) 2 O' clock 22 minute
- d) 2 O' clock 23 minute

Answer: Using the formula $M=(H \times 30 \pm \theta)/11$

At 2:00, $M=0$ and $H=2$

At X time, $M=\theta$ and $H=2$

$X \times 30 + \theta = 60$

$X \times 30 = 60 - \theta$

$X \times 30 = 60 - 60$

$X = 2$ hours

Time = 2 O' clock 21 minute

Ok

6. Find the time interval between 12:37 pm on 11 April 2019 to 12:29 pm on 12 April 2020. (RPF SI 05.01.2019)

- a) 365 days 23 hours 52 minutes
- b) 366 days 23 hours 52 minutes
- c) 366 days 8 minutes
- d) 367 days 8 minutes

Answer: Given time interval is between normal years.

2019 is not a leap year.

2020 is a leap year.

Time interval between given dates is 366 days 23 hours 52 minutes.

7. It was a Saturday on 18 October 2003. Which day will it be on 18 October 2005? (RRB Group-D 05/10/2018)

- a) Sunday
- b) Friday
- c) Monday
- d) Tuesday

Answer: 2003 -> Saturday

2004 -> Sunday

2005 -> Monday

8. What day will it be on 30 May, 2020? (RRB Group-D 24/10/2018)

- a) Monday
- b) Sunday
- c) Wednesday
- d) Saturday

Answer: Total odd days from 2000 to 30 May 2020 = 34
Remaining odd days = 6
Day = Saturday

9. What day will it be on 19 April, 2020? (RRB Group-D 05/10/2018)

- a) Tuesday
- b) Monday
- c) Saturday
- d) Thursday

Answer: 19 April 2019 - Thursday
Adding 1 year - Friday
Adding 1 more year (leap year) - Sunday
Adding 1 more year - Monday
Hence, on 19 April 2020 it will be Sunday.

10. What day will it be on 25 January, 1950? (RRB Group-D 15/10/2018)

- a) Sunday
- b) Saturday
- c) Monday
- d) Wednesday

Answer: Date + Month Code + Year + Century Code = Remaining Days
 $25 + 0 + 50 + 6 = 3$
Day = Wednesday

11. What day will it be on 30 January, 2020? (RRB Group-D 24/10/2018)

- a) Thursday
- b) Wednesday
- c) Friday
- d) Saturday

Answer: Date + Month Code + Year + Leap Year + Century Code
 $30 + 0 + 20 + 5 + 6 = 39$
Remaining Days = 1
Day = Thursday

12. Aman was born on 25 May 2000. On which date was Aman's birthday in the year 2012? (RRB Group-D 20/09/2018)

- a) 25 May
- b) 26 May
- c) 24 May
- d) 27 May

STATEMENT AND OPERATIONS

1. **Statement:** Out of 60 students, 15 were selected to represent the school quiz competition.

Conclusion:

I. Only 15 students in the school are intelligent.

II. The participating school were given a maximum limit of the number of students per school.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) Both conclusion I and II follows.

(d) Neither conclusion I nor II follows.

RRB NTPC 03.04.2016 Shift : 3

Ans. (d)

2. **Statement:** Religions teach the quelling principle for one's life.

Conclusion:

I. Religion is way of life.

II. Religion is a teacher.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) both I and II follows.

(d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (a)

3. **Statement:** A. Confusion causes mental tension.

B. Mental tension causes anxiety.

Conclusions:

I. Anxiety is a disease.

II. Confusion lead to anxiety.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) Both I and II follows.

(d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (b)

4. Statement: Money plays an important role in politics.

Conclusion:

I. Poor people can never become politician.

II. All the rich people participate in politics.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) Either conclusion I or II follows.

(d) Neither conclusion I nor II follows.

RRB NTPC 12.04.2016 Shift : 1

Ans. (d)

5. Statement: (1) No country in the world has achieved self-sufficiency.

(2) Mechanization has failed.

Conclusion:

(I) It is not possible to become self-reliant.

(II) Human labor is more productive than a machine. Decide which of the given conclusions logically follows the given steps.

(a) Only conclusion II follows.

(b) Both conclusion I and II follow.

(c) None of these conclusions follows.

(d) Only conclusion I follows.

RRB NTPC 28.03.2016 Shift : 3

Ans. (c)

6. Statement: Sound is produced when something vibrates. The vibrating body causes the medium around it to vibrate.

Conclusion:

I. By medium, they mean only air

II. Sound is produced by vibration

(a) Only conclusion I follows.

(b) Both conclusions follow.

(c) Only conclusion II follows.

(d) No conclusion follows.

RRB NTPC 11.10.2018 Shift : 1

Ans. (c)

7. Statement: Religions teach the quelling principle for one's life.

Conclusion:

I. Religion is a way of life.

II. Religion is a teacher.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) both I and II follows.
(d) Neither I nor II follows.
RRB NTPC 03.04.2016 Shift : 1
Ans. (a)
-

8. Statement: Some countries in the world has achieved self-sufficiency.
(1) Mechanization has been successful.
Conclusion:
(I) Self-reliance is possible.
(II) Human labor is less productive than machine.
(a) Only conclusion II follows.
(b) Both conclusion I and II follows.
(c) Non of these conclusion follows.
(d) Only conclusion I follows.
RRB NTPC 28.03.2016 Shift : 3
Ans. (a)
-

9. Statement: According to a recent health survey, people who exercise for at least half an hour every day are less prone to life style disease.
Conclusion:
I. General exercise is necessary to live a healthy life.
II. All those people who do not have any exercise in their routine suffer from lifestyle disease.
(a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither conclusion I nor II follows.
RPF SI 06.01.2019 Shift : III
Ans. (a)
-

10. Statement: Radios are important communication tools for spreading awareness.
Conclusion:
I. Radios help in spreading advertisement.
II. Radios can help lift economic, social and cultural level of rural masses.
(a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither follows.
RRB NTPC 01.04.2016 Shift : 1
Ans. (c)
-

DATA SUFFICIENCY

****1. Question:**** You are given a question and four statements. Decide which statement is sufficient to answer the question.

Statement:

- 1) 3 red balls are larger than 2 green balls.
- 2) There are 2 pink balls which are the smallest.
- 3) Two blue balls are largest.
- 4) Green is larger than yellow.

Options: (a) All statements together are sufficient. (b) Statements 1, 3, and 4 are sufficient. (c) Statements 1, 2, and 4 are sufficient. (d) Statements 1, 4, and 2 are sufficient.

Exam name and date: RRB Group-D – 24/09/2018 (Shift-II)

Answer: (a) According to the statements, the sequence from largest to smallest is blue, red, green, yellow, pink.

****2. Question:**** J K N and O are standing in a row. If we stand them in order of highest to lowest, then which one of them will stand at the first place?

Statement:

1. J is higher than K.
2. N is smallest of all.
3. K is higher than O.

Options: (a) Statement 1 and 2 are sufficient. (b) Statement 1 and 3 are sufficient. (c) Statements 1, 2, and 3 together are sufficient. (d) Given statements are not sufficient.

Exam name and date: RRB Group-D – 15/10/2018 (Shift-I)

Answer: (c) Combining all statements, J is the highest.

****3. Question:**** A boy has five used crayons. He is trying to arrange them in order from shortest to longest. Which crayon is longest among them?

Statement:

1. L is longest from G and D.

2. B is longer than L.

3. X is shorter than G.

Options: (a) Only statement 1 is sufficient. (b) Statement 1, 2, and 3 together are sufficient. (c) None of the statements 1 or 2 is sufficient. (d) Statement 2 is sufficient.

Exam name and date: RRB Group-D – 30/10/2018 (Shift-II)

Answer: (b) Combining all statements, B is the longest crayon.

****4. Question:**** E F G H and I are standing in a row. According to the information given in the statement, if we arrange them from smallest to tallest, then find out who stands at the second place.

Statement:

1. G is tallest.

2. E is taller than F.

3. H is smallest.

4. F is taller than I.

Options: (a) Statements 1, 2, and 3 together are sufficient. (b) Statement 1 and 2 are sufficient. (c) Statements 1, 2, 3, and 4 together are sufficient. (d) All statements are not sufficient.

Exam name and date: RRB Group-D – 09/10/2018 (Shift-I)

Answer: (c) From the statements, I stands at the second position from the bottom.

****5. Question:**** X is longer than Y, and Z is shorter than W in height. Whose height is lowest?

Statement:

1. Z is shorter than X in height.

2. W is shorter than Y in height.

Options: (a) Only statement 2 is sufficient while statement 1 is not sufficient. (b) Only statement 1 is sufficient while statement 2 is not sufficient. (c) Either statement 1 or 2 are sufficient only. (d) Both statement 1 and 2 are sufficient.

Exam name and date: RRB Group-D – 09/10/2018 (Shift-I)

Answer: (d) Combining the statements, it is clear that Z has the shortest height.

****6. Question:**** Which rod is longest among T1, T2, and T3?

Statement:

1. T2 is longer than T1 and T3.

2. T2 is an iron rod.

Options: (a) Only statement 1 is sufficient. (b) Both statement 1 and 2 are not sufficient. (c) Both statement 1 and 2 are sufficient. (d) Only statement 2 is sufficient.

Exam name and date: RRB Group-D – 31/10/2018 (Shift-II)

Answer: (a) – From statement 1, $T2 > T1$, $T2 > T3$, Hence only statement (1) is sufficient to answer the question which shows that T2 is the longest rod.

****7. Question:**** M A N and K are standing in a row. On the basis of the following information we arranged them from smallest to largest then who stands at the end?

Statement:

1. A is smaller than K.

2. M is smaller than A.

Options: (a) Both statement 1 and 2 are not sufficient. (b) Both statement 1 and 2 are sufficient. (c) Statement 1 alone is sufficient. (d) Statement 2 alone is sufficient.

Exam name and date: RRB Paramedical 20.07.2019 Shift: II

Answer: (a) I – $K > A$, II – $A > M$, Thus $M < A < K$, Hence both statements 1 and 2 are not sufficient to answer the question.

****8. Question:**** Which of the lightest bags among A B C and D?

Statement:

I. B is higher than A.

II. A is lighter than C and D.

Options: (a) Both statement I and II are necessary. (b) Statement I and II are not sufficient to solve. (c) Only statement II is sufficient. (d) Only statement I is sufficient.

Exam name and date: RRB Group-D – 27/09/2018 (Shift-I)

Answer: (a) Statement (i) $B > A$, (ii) $C > A$, $D > A$, Therefore A is the lightest. Hence both statement (I) and (II) are sufficient to answer the question.

****9. Question:**** E F G H and I are standing in a row. According to the information given in the statement, if we arrange them from smallest to tallest then find out who stands at second place.

Statement:

1. G is tallest.

2. E is taller than F.