SECTION - I

- *This section contains **3(THREE)** questions.*
- *Each question has **4(FOUR)** options **ONLY ONE** of these four options correspond to the **CORRECT** answer.*
- *For each question choose the correct option to answer the question.*
- *Answer to each part will be evaluated according to the following marking scheme:*

  Full Marks : +***3*** *If ONLY the correct option is chosen.*
  Zero Marks : ***0*** *If NONE of the options be chosen.*
  Negative Marks : ***-2*** *In all other cases.*

1) Richard is a strange liar. He lies on six days of the week, but on the seventh day, he always tells the truth. He made the following statements on three successive days:

Day 1: "I lie on Monday and Tuesday."
Day 2: "Today, it's Thursday, Saturday, or Sunday."
Day 3: "I lie on Wednesday and Friday."

On which day does Richard tells the truth?
(A) Monday
(B) Tuesday
(C) Wednesday
(D) Friday

Answer :- *B*

2) Julia is as old as John will be when Julia is twice as old as John was when Julia's age was half the sum of their present ages. John is as old as Julia was when John was half the age he will be 10 years from now.
How old are John and Julia?
(A) 40 and 50 (B) 30 and 40
(C) 25 and 35 (D) 30 and 50

Answer :- *B*

3) In a small village in the middle of nowhere, three innocent prisoners are sitting in a jail. One day, the cruel jailer takes them out and places them in a line on three chairs, in such a way that man C can see both man A and man B, man B can see only man A, and man A can see none of the other men. The jailer shows them 5 hats, 2 of which are black and 3 of which are white. After this, he blindfolds the men, places one hat on each of their heads, and removes the blindfolds again. The jailer tells his three prisoners that if one of them is able to determine the colour of his hat within one minute, all of them are released. Otherwise, they will all be executed. None of the prisoners can see his hat, and all are intelligent. After 59 seconds, man A shouts out the (correct) colour of his hat!
What is the colour of hat of man A.

Answer :- *White*

SECTION - 2

- *This section contains **7(SEVEN)** questions.*
- *Each question has **4(FOUR)** options **ONLY ONE** of these four options correspond to the **CORRECT** answer.*
- *For each question choose the correct option to answer the question.*
- *Answer to each part will be evaluated according to the following marking scheme:*

  Full Marks : ***+3*** *If ONLY the correct option is chosen.*
  Zero Marks : ***0*** *If NONE of the options be chosen.*
  Negative Marks : ***-2*** *in all other cases.*

1)

1 + 2 + 3 + 4 = N
2 + 4 + 6 + 8 = Y
3 + 8 + 12 + 16 = E
4 + 16 + 24 + 32 = ?

a. P b. X
c. M d. Z

Answer :- *B*

2)

T	K	A	L
	I	Y	J
P	G		H
N	E	U	

Fill in the spaces with appropriate entries row wise
a. RVF
b. QST
c. WPR
d. DFK

Answer :- *A*

3) There are 256 boxes in a pantry in a row . they are all closed.
The first time a man walks along the row , he opens all the boxes.
On the second round (starting over) he closes the boxes at every second step .
On the third round he stops at every third box to open it if it is closed and close it if it is open,
And he follows this pattern for 256 pases.
How many boxes are closed and how many open .

a. 128 open and 128 closed
b. 19 open and 237 closed
c. 16 open and 240 closed
d. 64 open and 192 closed

Answer :- *C*

4) A train approaches a station having a 640m long platform . a man is located at a point 3/8 of the distance of the platform . By what minimum order does the speed of the train needs to be greater than that of the man for the man to catch the train ?

a. 8/3
b. 3/8
c. 5/8
d. 8/5

Answer :- *D*

5) A shopkeeper used to lose 20% of his profit in his household every month . he used to sell the sugar at a profit of 20% . however he was unaware of the fact that his weighing machine was tampered and showed 950gms for 1kg . how much of the actual profit did he earn after spending in his household ?

a. 14%
b. 26.32%
c. 21.076%
d. 11.2%

Answer :- *D*

6) Annie is having some amount of money, all in the form of coins. She buys a magazine from a shop in the market and give half of the coins to the shopkeeper to pay the cost. He returns one coin back to her. She buys another magazine form another shop and the same happens there. Thus she buys magazine from different shops and the same thing happens at each shop. She counts the number of coins in the end and finds that the number of coins is same as she had in the beginning. If coins in use are of denominations of 1 rupee , 2 rupees , 5 rupees and 10 rupees. How much money did she have in the beginning?

(i)13 rupees
(ii)10 rupees
(iii)6 rupees
(iv)4 rupees

Answer :- *B*

7) A student is given a task to write the numbers 1, 2, 3.....,40 on 40 slips. These slips were of two colours - white and blue. He was instructed to write the odd numbers only on white slips. He counted white and blue slips and found that the instruction can't be carried out so he wrote odd numbers on blue slips only and thus 40 slips were ready with numbers 1 to 40.
Choose the correct option

(i) All white slips are written with even nos.
(ii)White Slips are less than 20 in no.
(iii)Blue Slips are less than 20 in no.
(iv)Some blue slips are written with even no.

Answer :- *C*

SECTION - 3 (*Comprehension Type*)

- *This section contains paragraphs, based on each paragraph there are **4(FOUR)** questions.*
- *Each question has **4(FOUR)** options **ONLY ONE** of these four options correspond to the **CORRECT** answer.*
- *For each question choose the correct option to answer the question.*
- *Answer to each part will be evaluated according to the following marking scheme:*

  Full Marks : +***2*** *If ONLY the correct option is chosen.*
  Zero Marks : ***0*** *If NONE of the options be chosen.*
  Negative Marks : ***-1*** *In all other cases.*

A) In an interview four person Amanda , John ,Leo , Richie are sitting in a row facing south and four more person Sana , Ross , Nathan and Pixie are sitting in another row facing north .

Each of them is from a different country . one of those countries is Australia

The following is known about them

1. The person from England is sitting second to the left of Richie and Pixie is adjacent to the person who faces the person from England .
2. Exactly one person sits between Pixie and the person from Pakistan , who is not Nathan .
3. The person who is second to the right of the person from Pakistan faces the person from India .
4. The person from U.S.A. faces the person from Japan . Richie is neither from Japan nor adjacent to the person from India .
5. Leo faces the person from Bangladesh who is not Pixie . The person from China is not facing the person from India .
6. Amanda is not at an extreme end and is not facing Sana . Nathan is not from Bangladesh .

(i) How many persons are sitting between Richie and John ?
a. 2
b. 1
c. 3
d. 4

(ii) Who are people sitting at extreme ends ?
a. Amanda , John , Nathan , Ross.
b. Leo , Richie , Pixie , Nathan .
c. Richie , John , Nathan , Pixie.

d. Ross , Richie , Leo , John .

(iii) In the given arrangement in a certain way Nathan is related to Amanda , Ross is related to Leo , then who is related to Sana ?
a. Pixie
b. John
c. Amanda
d. Richie

(iv) If Ross is from U.S.A. and sana is from China then Pixie is from?
a. India
b. Pakistan
c. Japan
d. England

Answer :- *(i)A (ii) C (iii)B (iv)D*

SECTION - 4 *(Integer Type)*

- *The answer to each question is a **SINGLE DIGIT INTEGER** ranging from 0 to 9, both inclusive*
- *For each question, darken the bubble corresponding to the correct integer in the ORS.*
- *For each question, marks will be awarded in one of the following categories:*
  Full Marks : +3 If only the bubble corresponding to the correct answer is darkened
  Zero Marks : -1 In all other cases

1) A train approaches a station having a 640m long platform . A man is located at a point 3/8 of the distance of the platform. Let the minimum order does the speed of the train needs to be greater than that of the man for the man to catch the train be n. What would be 5n ?

Answer :- *8*

2) Barbara has boxes in three sizes: large, standard, and small. She puts 11 large boxes on a table. She leaves some of these boxes empty, and in all the other boxes, she puts 8 standard boxes. She leaves some of these standard boxes empty, and in all the other standard boxes, she puts 8 (empty) small boxes. Now, 102 of all the boxes on the table are empty.
If the number of boxes that Barbara used is ‘n’. Then what would be (n+5)/20 ?

Answer :- 6