Ch.6 Algorithm &Reasoning

Q-1 Tick the correct answer.

1) A pizza was cut into 8 equal slices. John ate 2 slices and Maria ate 3 slices.How many slices are left?

 a) 2 **b) 3** c) 5

2) Write down two numbers with a sum of 12 and difference of **2**.

 a) 7 and 5 b) 8 and 4 c) 9 and 3

3) What is ¼ of 16?

 a) 5 b) 2 **c) 4**

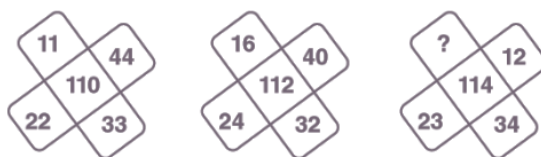4) Write the next number in each of the following

 a) 74 **b) 72** c) 92

5) Observe the pattern given below. Find the missing number.

 a) 100 **b) 45** c) 164

6) Identify the pattern for the following sequence and find the next number.

 2, 3, 5, 8, 12, 17, 23, _____.

 a) 35 b) 49 **c) 30**

 Suppose you are sitting with your classmates in your school Auditorium during Annual Function Day. Here are some questions based on this situation:

1) A video about school achievements is being played on the big screen. Which output device is displaying it?

 a) Speaker b) Monitor **c) Projector**

2) The program is being recorded for future viewing. Which device is used for this purpose?

 a) Scanner **b) Digital Camera** c) Keyboard

3) Background music is being played during a dance performance. Which output device is responsible for this?

 a) Monitor **b) Speakers** c) Microphone

4) The school photographer is transferring pictures from the digital camera to the computer. Which device helps in this data transfer?

 a) Scanner **b) USB cable or Card Reader** c) Printer

Q-2   Rearrange the following steps and write numbers accordingly.

1) Make a cup of tea:

- Pour hot water into cup. `3`
- Take out tea bag `4`
- Boil water `1`
- Add milk/sugar if needed `5`
- Put tea bag in cup `2`

2) Put these steps in the correct order to make a sandwich:

- Spread the filling on the bread `3`
- Take two slices of bread `1`
- Press the slices together. `4`
- Add the filling (peanut butter/jam) `2`

3) The steps to switch ON the computer.

- Press the computer power button. `3`
- Switch ON the UPS. `2`
- Login and use. `5`
- Wait while the computer boots. `4`
- Switch ON the main power button. `1`

Q-3 Answer the following questions.

1) Tom is taller than Jerry. Jerry is taller than Sam. Who is the shortest?

Ans: Sam is the shortest.

2) If you are facing north and turn 90 degrees to your left, which direction are you facing now?

Ans: You are facing west direction.

3) Your age is double your brother's age and he is five years old. What is your age?

Ans: Your age is 10 years old.

4) A clock shows the time as 3:15. What is the angle between the hour and minute hands?

Ans: Acute angle

5) Sarah has a basket with 5 red apples, 3 green apples, and 2 yellow apples. If she gives away 2 red apples, how many apples are left in the basket?

Ans: There are 8 apples left in the basket.

6) There are 48 students in a class. If 1/4 of the students are girls, how many girls are there in the class?

Ans: There are 12 girls in the class.

7) If you fold a piece of paper in half twice, how many layers do you have?

Ans: You have 4 layers of paper.

8) If the minute hand of a clock is on 12, and the hour hand is on 3, what time is it?

Ans: The time is 3:00.

9) Which is heavier — 1 kg of cotton or 1 kg of iron?

Ans: They both have the same weight, as 1 kg is equal to 1 kg.

10) If you fold a square paper diagonally once, what shape do you get?

Ans: You get a triangle.