

## MCQ Test Questionnaire Set 2

### Analytical

1. **A car travels 90 km in 1.5 hours. What is its average speed?**
  - A) 45 km/h
  - B) 50 km/h
  - C) 55 km/h
  - D) 60 km/h
2. **If the cost price of 15 items is equal to the selling price of 12 items, what is the profit percentage?**
  - A) 20%
  - B) 25%
  - C) 30%
  - D) 40%
3. **A train 200 meters long is running at a speed of 60 km/h. How long will it take to cross a bridge 400 meters long?**
  - A) 30 seconds
  - B) 40 seconds
  - C) 36 seconds
  - D) 60 seconds
4. **Two pipes can fill a tank in 15 minutes and 20 minutes respectively. If both pipes are opened together, how long will it take to fill the tank?**
  - A) 8 minutes
  - B) 10 minutes
  - C) 12 minutes
  - D) 15 minutes
5. **A shopkeeper marks his goods at 25% above the cost price and allows a discount of 10% on the marked price. What is his profit percentage?**
  - A) 12.5%
  - B) 13.5%

C) 15%

D) 17.5%

6. **A man can row upstream at 8 km/h and downstream at 12 km/h. What is the speed of the man in still water?**

A) 9 km/h

B) 10 km/h

C) 11 km/h

D) 12 km/h

7. **If the product of two numbers is 120 and their sum is 26, what are the numbers?**

a) 10 and 12

b) 6 and 20

c) 8 and 15

d) 5 and 24

8. **In a class of 50 students, 30 students like mathematics, 25 students like science, and 15 students like both subjects. How many students like only science?**

a) 5

b) 10

c) 15

d) 20

9. **A person spends 50% of his salary on rent, 30% on food, and 10% on transportation. If he saves \$500, what is his total salary?**

a) \$1000

b) \$1500

c) \$5000

d) \$2500

**10. If the ratio of the length to the width of a rectangle is 4:3 and its perimeter is 56 meters, what is the length of the rectangle?**

- a) 12 meters
- b) 14 meters
- c) 16 meters
- d) 18 meters

## Logical Thinking

**1. If A is the son of B, B is the daughter of C, and C is the mother of D, how is A related to D?**

- A) Grandson
- B) Granddaughter
- C) Son
- D) Daughter

**2. A clock shows the time as 6:15 PM. What is the angle between the hour and the minute hands?**

- A) 82.5 degrees
- B) 90 degrees
- C) 97.5 degrees
- D) 105 degrees

**3. What is the missing number in the sequence: 5, 11, 23, 47, ?**

- A) 95
- B) 99
- C) 101
- D) 103

**4. If it takes 8 workers 8 hours to build a wall, how long would it take 4 workers to build the same wall?**

- A) 4 hours
- B) 8 hours
- C) 12 hours

D) 16 hours

5. In a certain code language, 'HELLO' is written as 'IFMMP'. How is 'WORLD' written in that code?

A) XPSME

B) XPTME

C) XPSMF

D) XPTMF

6. CUP : LIP :: BIRD : ?

A. GRASS

B. FOREST

C. BEAK

D. BUSH

7. Which word does NOT belong with the others?

A. index

B. glossary

C. chapter

D. book

8. If 'A' is coded as '1', 'B' as '2', and so on, what is the code for 'HELLO'?

a) 85121215

b) 85121212

c) 85121214

d) 85121213

9. If 'P' means '+', 'Q' means '-', 'R' means '×', and 'S' means '÷',  
what is the value of 8 R 4 S 2 P 6 Q 3 ?

a) 17

b) 19

c) 21

d) 23

**10. Complete the Letter series ZCF, YBE, XAD, WZC, \_\_\_\_\_**

A) VUY

B) VYB

C) VYU

D) YUV

## C / C++ Programming

**1. What is the output of the following C++ code?**

```
#include <iostream>
using namespace std;
int main() {
    int x = 10;
    cout << x++ << endl;
    return 0;
}
```

A) 9

B) 10

C) 11

D) 12

**2. Which of the following is a correct syntax to declare a pointer in C++?**

A) int ptr;

B) int \*ptr;

C) ptr int;

D) \*int ptr;

**3. What is the output of the following C code?**

```
#include <stdio.h>

int main() {
    int a = 15;
    int b = 25;
    int c = a + b;
    printf("%d\n", c);
    return 0;
}
```

- A) 15
- B) 25
- C) 40
- D) 50

4. Which of the following is used to define a constant in C++?

- A) #define
- B) const
- C) static
- D) Both A and B

5. What is the output of the following C++ code?

```
#include <iostream>

using namespace std;

int main() {
    int arr[] = {2, 4, 6, 8, 10};
    cout << arr[3] << endl;
    return 0;
}
```

- A) 2
- B) 4

C) 6

D) 8