

Number system:

1. Binary form of 11110 is-

- a. 22
- b. 20
- c. 30
- d. 24

Ans- c. 30

2. The base of number system which is the number of symbols used to represent the numbers is also called as-

- a. Radix
- b. Radical
- c. Notations
- d. None of the above

Ans- a. radix

3. 10 when converted to binary has how many bits?

- a. 3
- b. 2
- c. 4
- d. 1

Ans- c. 4

4. Which of the following is not a number system with reference to computers?

- a. Decimal
- b. Binary
- c. Roman
- d. octal

Ans- c. roman

9. C2 is the hexadecimal number, here C value in decimal is-

- a. 10
- b. 11
- c. 12
- d. 13

Ans-c. 12

10. Which of the following is not an example of binary system?

- a. 1100
- b. 1100.11
- c. 0000
- d. None

Ans- d. none

11. Which of the following alphabets is not present in hexadecimal number system?

- a. F
- b. B
- c. G
- d. A

Ans- c. G

12. The decimal number is repeatedly divided by to get its hexadecimal equivalent?

- a. 6
- b. 8
- c. 10
- d. 16

Ans- d. 16

2. Predict the range of unsigned char values

- a. -128 to +127
- b. 0 to 255
- c. -128 to +128
- d. None of the above

Ans: b

3. Which of the following is a default data type in c:

- a. Char
- b. Float
- c. Int
- d. Short

Ans: C

4. Which of following is an invalid datatype

- a. Long char
- b. Long Int
- c. Long float
- d. None of the above

Ans: a

5. Predict the output for following snippet

```
#include <stdio.h>
int main()
{
    short int a=32769;
    printf("%d",a);
}
```

- a. 32769

10. What will be the output of following

```
#include <stdio.h>
int main()
{
    float a=3.123456;
    printf("%.2f",a);
}
```

- a. 3.12
- b. 3.123456
- c. 3.1234
- d. 3.0000

Ans: a