Assignment 0

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1) The frequency of the mains power supply is 50 Hz. The time period of the signal is ______ milliseconds.

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 20

2) Which of the following switching expressions are true?
   a. \((A + B)' = A' \cdot B'\)
   b. \((A \cdot B)' = A' + B'\)
   c. \(A + A' \cdot B = A' + B\)
   d. All of these.

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(b)
(c)
(d)

3) How many distinct integer numbers can be represented in 8-bit binary?
   a. 8
   b. 16
   c. 32
   d. 64

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(b)
(c)
(d)
4) When a current of 15 milliampere flows through a resistance of value 20 Kohm, the voltage drop across the resistance will be ________ volts.

5) When two resistances 220 ohm and 330 ohm are connected in parallel, the overall resistance will be ________ ohm.

6) When two resistances 220 ohm and 330 ohm are connected in series, the overall resistance will be ________ ohm.

7) The minimum number of flip-flops required to design a modulo-128 binary counter is __________.
8) What will be the value of X after execution of the following C program fragment:

```c
int X, Y, Z;
Y = 20; Z = 15;
X = (Y / 3) * 15;
```

a. 90  
b. 100  
c. 120  
d. None of these.

No, the answer is incorrect.  
Score: 0

Accepted Answers: 
(a)  
(b)  
(c)  
(d)

9) Which of the following is true about a function declared in C:
   a. It can be declared once and can be used only once.  
   b. It can be declared once and can be used multiple times.  
   c. It can be declared multiple times and can be used only once.  
   d. None of these.

No, the answer is incorrect.  
Score: 0

Accepted Answers: 
(a)  
(b)  
(c)  
(d)

10) Which of the following is/are object-oriented programming languages?
   a. C  
   b. C++  
   c. Java  
   d. Linux

No, the answer is incorrect.  
Score: 0

Accepted Answers: 
(a)  
(b)
No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
(c)