

ALL

①

9. Section 3: Computer Science Basics

What is the output of the following C program ?

```
int main()
{
    if (printf("ABC"))
        printf("True");
    else
        printf("False");
    return 0;
}
```

Pick **ONE** option

☐ ABCFalse

☐ False

☐ ABCTrue

☐ ABCTrueFalse

Clear Selection

10. Section 3: Computer Science Basics

What is the output of the following program?

```
#include<iostream>
using namespace std;
int &fun() {
    int a = 10;
    return a;
}

int main() {
    int &y = fun();
    y = y + 30;
    cout<<fun();
    return 0;
}
```

Pick **ONE** option

☐ 10

☐ 30

☐ 40

☐ Runtime error

Clear Selection

11. Section 3: Computer Science Basics

$\log(n!)$ =

Pick **ONE** option

☐ $\Theta(\log(n))$

☐ Theta(n)

☐ Theta(n*log(n))

☐ Theta(n**n)

Clear Selection

12. Section 3: Computer Science Basics

Which of the following is false about SJF (Shortest Job First) scheduling algorithm(non-preemptive)?

- a. It causes minimum average waiting time
- b.It can cause Starvation

Pick **ONE** option

☐ Only a

☐ Only b

☐ Both a and b

☐ Neither a nor b

Clear Selection

Continue