

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Computer Science Degree Examination, November 2020

BCS1B01 – Computer Fundamentals

(2020 Admission onwards)

Time: 2 hours

Max. Marks: 60

Note: You can answer all the questions in Sections A&B. But there shall be Ceiling in each section.

**PART – A****Answer *all* questions.****Each question carries Two mark.****Ceiling -20 Marks**

1. What are the functions of a computer?
2. What is high speed buffer?
3. How do you create a directory in DOS?
4. What are the advantages of top down approach?
5. Why do we need to use comments in a program?
6. What are the different methods to access information?
7. How do you use symbolic constants in a program?
8. Write output, if

```
int i=10;
printf("%d %d", i++, --i);
```
9. 

```
char a= getchar();
printf("You entered : %s,a);
```

Correct the above code.
10. Distinguish between MAR and MBR.
11. Write a statement using conditional operator to check for even number.
12. Specify the rules to form an identifier in a program.

**PART - B**

**Answer *all* questions.**

**Each question carries Five marks.**

**Ceiling -30 Marks**

13. What are the different data types and qualifiers in C?
14. Write statements to swap the contents of two variables without using additional variables.
15. What are the different escape sequences?
16. Write an algorithm to check for prime number.
17. Explain the use of different flowchart symbols.
18. Explain the memory hierarchy.
19. Discuss different types of language processors.

**PART - C**

**Answer any *one* question.**

**Each question carries Ten marks.**

20. What is OS? Explain the functions of OS.
21. Explain the use of any ten functions in C.

**1 x 10 = 10 Marks**