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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Computer Science Degree Examination, November 2019

BCS1B01 – Computer Fundamentals

(2019 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**

What is auxiliary memory?

What is the relationship between hardware and software?

Distinguish between resident routine and transient routine.

What is OS kernel?

Write Linux commands to move and copy files.

What is the use of #define directive?

Distinguish between del and deltree in DOS.

What are the elements in C character set?

What is the output of the following code segment ?

```
float a=3.15529;
printf("%2.1f\n", a);
```

What is meant by token?

What are the different permissions defined to each file in Linux?

Define nibble.

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -30 Marks**

13. Draw the block diagram and explain the functional units in a computer system.
14. Describe the structure of OS.
15. What are the features of Windows OS?
16. Explain top down design in programming.
17. What are the different formatting characters used in IO statements?
18. What is the use of vi editor? What are the different modes of operation in vi editor?
19. Explain Von Neumann model.

**PART - C**  
**Answer any *one* questions.**  
**Each question carries Ten marks.**

20. Explain the functions of any four secondary storage devices.
21. What are the different types of constants in C?

**1 x 10 = 10 Marks**