

Roll No.

Exam Code : J-21

Subject Code—52072

B. A. (Pass Course) EXAMINATION

(Main/Reappear) (Batch 2018 Onwards)

(First Semester)

COMPUTER SCIENCE

BACS-111

Paper–1

Fundamentals of Computer

Time : 3 Hours

Maximum Marks : 25

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. (i) What is the difference between a digital computer and analog computer ? 1
- (ii) What is machine language ? 1
- (iii) What is Pivot table ? 1

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(iv) Differentiate between symmetric multiprocessor and asymmetric multiprocessor. 1

(v) What is the need of computer networks ? 1

Unit I

2. What is structured programming ? Explain top-down and bottom-up approach of structured programming. 5

3. What is ROM ? Explain various types of ROM. 5

Unit II

4. What is an operating system ? Why is it necessary for a computer system ? Explain different functions performed by an operating system. 5

5. Define multiprogramming. Explain, how multiprogramming ensures effective utilization

of main memory and CPU. How multiprogramming is different from multiprocessing ? 5

Unit III

6. What is Macro ? Write down the steps to record a macro in MS-Word. 5

7. What are Functions ? Explain various functions used in Excel. 5

Unit IV

8. Explain the term 'cloud computing.' Write down its benefits, limitations and security concerns. 5

9. What are computer networks ? Explain different types of network topologies. 5