Roll No. .....

(12/24)

5155

B.Sc. B.Ed (4 Years) (For Batch 2011 and Onwards)/B.A./B.Sc. (First Semester) (For Batch 2011 to 2020 Only) EXAMINATION

COMPUTER SCIENCE

Paper-I

Computer Fundamental and Programming in C

Time : Three Hours *Max. Marks :* B.Sc. : 30, B.A. : 20

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) Differentiate between break and continue.

   (b) What are different identifier rules ?

   (c) What are Operator Precedence and Associativity ?

   (d) What is Function prototype ?

   (e) What is extern storage class ?

   (f) What is structured programming ?

   1×6(1×4)

Unit I

2. Explain various symbols used in flow charts. Also draw a flow chart to find the roots of a quadratic equation. 6(4)

3. Draw block diagram of Computer and explain various components of its each unit. Also discuss characteristics of computers. 6(4)

Unit II

4. Explain various logical, relational, bit wise and conditional operators with examples. 6(4)

5. Discuss Unformatted and Formatted input and output. Give examples 6(4)

Unit III

6. What is difference between while statement, for statement ? Justify your answer with example. 6(4)

7. Explain else-if ladder, Nested if-else and goto statements. 6(4)

Unit IV

8. What is Recursion ? Use recursive function to find the factorial of a number whose value is entered through keyboard and it should always be more than eight. 6(4)

9. Explain strcpy, strcat, strcmp, strlen, strncat, strset and strstr string functions. 6(4)