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ROLL NO.....

BS1CS02/22

ANNUAL EXAMINATION, 2022

B.Sc.-I

COMPUTER SCIENCE

PAPER-II

PROGRAMMING IN 'C'

TIME: 3 HOURS

Maximum: 50

Minimum: 17

Note: Attempt any two parts from each unit. All question carry equal marks.

Unit-I

- Q.1.** (a) What are the advantages of C language over machine language?
- (b) Write C statement to find the largest among three numbers using ternary operator.
- (c) Explain `getc()` and `putc()` with example.

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Unit-II

- Q.2.** (a) Explain break and continue statement with suitable example.
- (b) Discuss about scope and lifetime of variable in C.
- (c) What do you mean by predefined function? Explain.

Unit-III

- Q.3.** (a) What is string? Explain about declaration and initialization of string in 'C' with example.
- (b) Explain union with appropriate example.
- (c) What is a library function? What are its uses in C.

Unit-IV

- Q.4.** (a) Explain malloc and calloc function with example.
- (b) Discuss about pointer to array.
- (c) Write the importance of pointer.

[3]

Unit-V

- Q.5.** (a) Explain the command line arguments.
- (b) What is preprocessor directive? Explain.
- (c) Discuss about miscellaneous features of C.

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