

Roll No.

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F - 3637**B.Sc. (Part - I) Examination, 2022****(New Course)****INFORMATION TECHNOLOGY****Paper Second****(Programming in 'C' Language)***Time : Three Hours]**[Maximum Marks:50***Note: Attempt any two parts from each unit. All questions carry equal marks.****Unit - I**

1. (a) Discuss the history of C Language with necessary details.
- (b) What are the tokens in C. Specify?
- (c) Write the guidelines to use putchar () function in C language.

P.T.O.**Unit - II**

2. (a) Write a program in C to print all Factorial series upto n terms.
- (b) Clearly specify do-while loop with example.
- (c) What are function arguments? Specify with example.

Unit - III

3. (a) Explain the declaration and initialization of Single dimensional array with example.
- (b) Explain array of structure with suitable examples.
- (c) Specify with example the procedure to passing structure to function.

Unit - IV

4. (a) What do you understand by pointer to pointer. Briefly describe.
- (b) What do you understand by dynamic memory allocation? Explain with examples.
- (c) Write a note on pointer to function with proper

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example.

Unit - V

5. (a) Specify file accessing functions with example.
- (b) Discuss fputc and fgetc with examples.
- (c) Highlight the use of #include and #define in C Programming.