

BSC/161/DEC24

FACULTY OF SCIENCE/SOCIAL SCIENCE
B. A/B. Sc I SEMESTER (CBCS R-19) EXAMINATIONS DEC 2024
COMPUTER APPLICATIONS - I
PROGRAMMING IN C

TIME: 3 HRS]

[MAX.MARKS: 80

SECTION - A (8 X 4 = 32 Marks)

1 **Answer any EIGHT questions**

- 7163 a Draw a flow chart for to check the given the number is Even or Odd 7163 7163
- 7163 b Draw the block diagram of a computer and explain 7163 7163
- 7163 c What is an Algorithm? Write an algorithm to find the largest of 3 numbers. 7163 7163
- 7163 d Write short notes on getchar() and putchar() 7163 7163
- 7163 e Explain about conditional operator with an example 7163 7163
- 7163 f What is the difference between strcat () and strncpy () 7163 7163
- 7163 g Write short notes on necessity of functions 7163 7163
- 7163 h Write the uses of Pointers 7163 7163
- 7163 i Explain about Recursive Functions with suitable program 7163 7163
- 7163 j Write short notes on file input functions 7163 7163
- 7163 k Explain various modes to open a file 7163 7163
- 7163 l Discuss about fseek () and ftell () 7163 7163

SECTION - B (4 X 12 = 48 Marks)

Answer ALL questions

- 2 a Explain about different data types available in C Language 7163 7163
- OR
- 7163 b Summarize the various types of operations in C Language along with its priority 7163 7163
- 3 a Define Array. Illustrate the initialization and accessing of one dimension and two-dimensional Arrays. 7163 7163
- OR
- 7163 b Compare and contrast the do-while and While-loop 7163 7163
- 4 a What are the different storage classes in C? Explain their usage with suitable examples. 7163 7163
- OR
- 7163 b Discuss in detail passing an array to a function with suitable example program 7163 7163
- 5 a Define a Union? How Unions are declared, initialized and access the members of union 7163 7163
- OR
- 7163 b Write C programme to copy the contents of one file to another file 7163 7163
