

FACULTY OF ARTS & SOCIAL SCIENCES/FACULTY OF SCIENCE
B.A./B.Sc. (CBCS) I-Year (I-Semester) Regular Examinations, February/March-2023
Computer Applications-I (Gen)
(Programming in C)

Time: 3 Hours

Max Marks: 80

SECTION-A

(4x5=20 Marks)

Answer any Four questions from the following

1. Write about the different parts of computer.
2. What is flowchart? Write about the symbols used in flowchart?
3. Explain printf() and scanf() in 'C' with examples.
4. Write a C program to find the greatest of given three variables.
5. Define Function and explain with an example.
6. Define pointer with examples? Write the uses of pointers.
7. Define Union? Write its advantages over structure.
8. Explain ftell() and rewind().

SECTION-B

(4x15=60 Marks)

Answer all the following questions

9. (a) Explain in detail various Arithmetic, logical and relational Operators in C with suitable examples.
(OR)
(b) Explain the Process of Creating a simple C Program Compiling, Linking and Executing using a C Program.
10. (a) Write about different Iterative statements in 'C' with an example.
(OR)
(b) Define an Array with an example? Write C program to perform matrix addition.
11. (a) Explain call-by-value and call-by-reference mechanism with suitable C Program.
(OR)
(b) Explain Dynamic memory allocation with suitable C Program.
12. (a) Define a structure type, struct Employee, that would contain Emp-Id, Emp-name, designation. Write a 'C' Program to read this information of Five Employees from keyboard and print.
(OR)
(b) What are text files? Discuss opening and closing functions of a file with 'C' program.