

Faculty of Science

B.A/B.Sc (COMPUTER APPLICATIONS) I-Year, CBCS-II Semester

Backlog Examinations –January, 2021

PAPER: COMPUTER PROGRAMMING WITH C

Time: 2 Hours

Max Marks: 80

I. Answer any Four of the following questions

(4x20=80 Marks)

1. What are different types of software? Explain basic structure of C. And also explain different data types of C.
2. How to evaluate Expressions? Explain type conversions in expressions with example program.
3. What are the decision making statements in C? Write their syntax and explain them with sample code.
4. What are arrays? How to declare an array? Write a C program for 2D matrix multiplication.
5. What are Strings? How to read strings from terminal? Explain string handling functions.
6. How to define functions, return values and their types? Write a program to demonstrate passing of arrays to functions.
7. What are pointers? How to initialize pointer variables? Explain arrays of pointers concept with an example program.
8. How to define a structure? Explain the operations on individual members of structure with an example program.

Faculty of Science
B.A/B.Sc (Computer Applications) I-Year, CBCS –II Semester
Regular Examinations –January, 2021
PAPER: Programming in C++

Time: 2 Hours

Max Marks: 80

- I. Answer any FOUR of the following questions (4x20=80 Marks)
1. Discuss about control structures with suitable example program.
 2. Discuss the differences between call by value and call by address
 3. Discuss about passing arguments to constructors.
 4. Explain about function overloading mechanism with suitable example program.
 5. Discuss about pure virtual functions with suitable example program.
 6. Explain about constructors and destructors invocation in inheritance with suitable example program.
 7. Explain Overloading with function Template with suitable example.
 8. Discuss about handling multiple exceptions in c++ with suitable example program
