



UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 2nd Semester Examination, 2021

DSC2-COMPUTER SCIENCE
PROGRAMMING FUNDAMENTALS USING C

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any two questions from the following 20×2 = 40

1. (a) Discuss various kinds of iterative statements available in C. Give examples. 10
(b) Write a C program to convert a given number (user input) from decimal to Octal. 10
2. (a) What are void and inline functions? Give their utilities in programming. 4
(b) Discuss any 3 string handling functions with example. 6
(c) Write a program in C language to make a function Prime(n) which determines whether a given input 'n' is prime or not. 10
3. (a) What are the rules that must be followed while naming a variable in C? 5
(b) Discuss various data types available in C. Give example. 10
(c) Differentiate between structure and union with example. 5
4. (a) Write a C program to find the maximum element stored in an array of size 'n' (the array stores integers). 10
(b) Write a C program to sort 'n' integers in descending order using any algorithm of your choice. 10

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