

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
END SEMESTER EXAMINATION- JUNE/JULY 2019
BSc (Nautical Science)
Semester - IV
Computer Science Paper-II
(UG21T2401)

Date : 25.06.2019
Time : 3 Hours

Max.Marks: 70
Pass Marks:35

Answer any seven of the following.

(7X10=70 Marks)

- Q.1 a) What is variable? What are rules for naming variables in C? 5M
b) What is an Operator? Explain any 4 operators used in C with example. 5M
- Q.2 a) Write a program to find all roots of a quadratic equation. Accept coefficients of a quadratic equation from the user and displays the roots. 5M
b) Explain the use of loop in C. Differentiate while and do while loop. 5M
- Q.3 a) What is an array? Write a program to read 10 elements in an array and display the same in reverse order. 5M
b) Write a program to display addition of two matrices of order 3*3. 5M
- Q.4 a) Explain the use of switch case statement in C with example. 5M
b) What is string? Explain any two string handling functions in C with example. 5M
- Q.5 a) Write an user defined function Prime that returns 1 if its argument is prime number and returns 0 otherwise. 5M
b) Explain the need for user defined functions. Differentiate call by value and call by reference. 5M
- Q.6 a) What is a structure? Explain structure in C with suitable example. 5M

b) Explain pointers in C with suitable example. 5M

Q.7 a) Write a program to read a year as an input and find whether it is leap year or not. 5M

b) Write a program to check whether the number entered by user is even or odd. 5M

Q.8 a) Explain nested-if statement in C with example. 5M

b) What is function argument? Differentiate actual and formal arguments. 5M

Q.9 a) Write short note on basic data types in C. 5M

b) Explain one dimensional array initialization with suitable example. 5M
