

INDIAN MARITIME UNIVERSITY

Time Bound Assignment September/October 2020

B Tech (ME) Arrear Examinations

Computer Science

UG11T2205

Date: 29/09/2020

Maximum Marks: 70

Time: 3 Hrs

Pass Marks: 35

Part – A (compulsory)

Answer the following (10x2=20 Marks)

- 1 Define the term computer architecture.
- 2 What is the function of ALU in computers ?
- 3 What are the various categories of software ?
- 4 Define website.
- 5 Write an algorithm to calculate sum of two numbers.
- 6 Write and explain syntax of –for loop.
- 7 What are different data types available in C ?
- 8 What is the difference between '=' & '==' operators ?
- 9 What is recursive function ?
- 10 Define the term pointer data type & give its syntax.

Part – B

Answer any 5 out of 7 questions (5 x 10= 50 marks)

- 11 (a) Explain various computer organisation with neat diagram [5]
(b) Differentiate between Volatile & Non-Volatile memory. [5]
- 12 (a) What are the applications of Computer Networks? [5]
(b) Write a short note on Machine language. [5]

- 13 (a) Explain the need of algorithm & flowchart [5]
(b) Write an algorithm & draw flowchart to determine whether temperature is below or above freezing point. [5]
- 14 (a) Give the general structure of C program. Explain with an example. [5]
(b) Write a C program to find ASCII value of any input character. [5]
- 15 (a) Explain the switch statement with syntax and example. [10]
- 16 (a) What if Functions in C ? Explain function declaration & function definition. [5]
(b) Program to convert temperature from degree centigrade to Fahrenheit. [5]
- 17 (a) Write a C Program to find the largest elements in an array. [5]
(b) Write a C program to find GCD of two numbers. [5]
