INDIAN MARITIME UNIVERSITY
(A Central University Government of India)
END SEMESTER EXAMINATIONS-June/July 2019
B.Tech(Marine Engineering)
Semester-II
Computer Science (UG11T3205)

Date: 04-07-2019	**Maximum Marks: 100**
Duration: 3 hrs	**Pass Marks: 50**

Note: 1. Question 1 is compulsory.
2. Answer any 5 questions from question no. 2 to 8.

Q.1 Answer the following.   (10 x 3 = 30M)

   a) What do you understand by secondary memory?
   b) How application software differs from system software?
   c) What is an operating system? List the typical functions of operating systems.
   d) List out the operations performed by the processor (CPU)
   e) What are the advantages of flowchart?
   f) Write short note on C constants.
   g) What is function prototype?
   h) Differentiate while and do while loop.
   i) Write an algorithm to check whether the entered number is even or odd.
   j) Write short note on array initialization.

Q.2 a) Write short note on classification of computers.   7M

   b) Define software. Explain the types of software with example.   7M

Q.3 a) What are registers in a CPU? Name five registers with their
       functions.   7M

   b) What is an operating system? Explain multi tasking, multi
      programming, multi threading features of OS.   7M

Q.4 a) What are the uses of internet? Differentiate internet and Intranet.
                                                                 7M
   b) Draw flowchart to display factorial of a number entered by user. 7M

Q.5 a) What is network topology? Explain any three network topologies with suitable diagram. 7M

   b) List operators used in c. Explain any three operators with suitable example. 7M

Q.6 a) Write a program to find and print greatest among three numbers using if condition. 7M

   b) Write a program to check whether the number entered by user is Prime or not. 7M

Q.7 a) Write a program print addition of two matrices of size 3*3. 7M

   b) Explain string functions in c with suitable example. 7M

Q.8 a) Write a function program to find reverse of a number entered by user. 7M

   b) What is the use of pointers in c, explain with suitable example. 7M

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