

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
End Semester Examination Dec 2019/Jan 2020
B.Sc. (Nautical Science)
Semester -I
UG21T4104 - Computer Science

Date: 17.12.2019
Time: 3 Hours

Max Marks: 70
Pass Marks: 35

Note: Question No. 1 is compulsory.

Answer any 6 questions from remaining 8 questions (each carry 10 marks).

Scientific Calculator is permitted if required.

- Q.1 (2 x 5 =10 marks)
- (a) Define Mail Merge.
 - (b) State the difference between Machine Language and high level language
 - (c) What is EDI?
 - (d) State the difference between user defined functions and library functions
 - (e) Define Keyword? Write any five keywords available in C
- Q2. Write the procedure in MS-word to
- (a) insert headers and footers (5 marks)
 - (b) insert symbols and pictures (5 marks)
- Q3. Explain different types of charts available in MS-Excel (10 marks)
- Q4. (a) Define query. Explain the steps in creating a query using query wizard (5 marks)
- (b) Explain about animation and slide transaction in Ms-PowerPoint (5 marks)
- Q5. a) Carry out the following conversion (5 Marks)
- 1) $(32.6)_{10} = (?)_2$
 - 2) $(110110100)_2 = (?)_8$
 - 3) $(1034.5)_8 = (?)_2$
 - 4) $(1101.10)_2 = (?)_{10}$
 - 5) $(327.4)_8 = (?)_{10}$

b) (5 Marks)

i) Perform Subtraction of binary numbers using 2's complement

$$101110 - 10111$$

ii) Multiply following numbers

$$11010 \text{ and } 1111$$

Q6. Write short note on (10 marks)

- a) Cache Memory
- b) Primary Memory
- c) Secondary Memory
- d) Compiler

Q.7. (a) What are the different types of operators available in c? Explain in brief.

(6 marks)

(b) Write a program to find greatest among three numbers.

(4 marks)

Q8. (a) Write a program to find factorial of a number using function(5 marks)

(b) Explain for loop with syntax and example (5 marks)

Q.9. Explain features and business models of e-commerce. (10 Marks)
