

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
END SEMESTER EXAMINATIONS - DECEMBER 2018
B. SC (NAUTICAL SCIENCE)
Semester: I
COMPUTER SCIENCE (UG21T3104)

Date:04.01.2019

Max. Marks: 70

Time: 3 Hrs.

Pass Marks: 35

PART- A

Answer all the questions

(5x2=10 Marks)

1.
 - a. Define database
 - b. Explain with example excess 3 code
 - c. What is EDI? Explain
 - d. Define a variable
 - e. Explain do-while loop. How does it differ from while loop?

PART - B

Answer any FIVE questions out of the seven questions.

(5x12=60 Marks)

2. (a) What is mail merge? What is the purpose of it and how is it used?
(6 marks)
- (b) Briefly describe the following in MS Excel: (6 marks)
 - (i) Cell
 - (ii) Function wizard
 - (iii) Comment
 - (iv) Format cell
3. Describe the step by step procedure for the following: (12 marks)
 - i Slide transition
 - ii Animate text or graphics
 - iii Create a report with report wizard
 - iv Create a form with form wizard

4. (a) Carry out the following conversions. (12 marks)
- i. $(377)_8 = (?)_2$
 - ii. $(BED)_{16} = (?)_{10}$
 - iii. $(3D)_{16} = (?)_2$
 - iv. Add $(10001)_2$ and $(11111)_2$
 - v. Subtract $(1001110)_2$ from $(1010101)_2$ using 2's complement method.
 - vi. Divide $(1110011)_2$ by $(101)_2$

5. (a) What is virtual memory? How does it improve the performance of a computer? (6 marks)
- (b) What is cache memory? What type of memory is used as cache memory? (6 marks)

6. Briefly define the following: (12 marks)
- (a) SSL protocol
 - (b) SET protocol
 - (c) cyber cash
 - (d) digi cash

7. (a) Write a program to print the numbers between 2 given numbers (6 marks)
- (b) What is the difference between break, continue and goto? Explain with syntax and suitable example. (6 marks)

8. (a) Using a function, find the area of a rectangle. (6 marks)
- (b) What is a structure? How is it initialized? (6 marks)
