

Indian Maritime University
(A Central University, Govt of India)

Supplementary Examinations – September/October 2024

Programme Name: B Sc (NS)

Semester: II

Subject Code: - UG21T5203

Subject Name: - COMPUTER SCIENCE

Date: 12.09.2024

Max Marks: 70

Duration: 03 Hrs

Pass Marks: 35

General Instructions

- (i) All Sections (A, B & C) are to be attempted.
- (ii) Options, if any, are specified in respective section.

Section A

**Answer all the question multiple choice(MCQs)/Fill in the Blanks
(10X1=10Marks)**

1. --- is a binary numeral system where two successive values differ in only one bit
 - a) Excess 3 BCD
 - b) ASCII
 - c) EBCDIC
 - d) Gray code
2. What is result of binary addition of 1001 + 0101
 - a) 1001
 - b) 1010
 - c) 1110
 - d) 1101
3. Virtual memory is _____.
 - a) memory on the hard disk that the CPU uses an extended RAM
 - b) in RAM
 - c) a backup device for floppy disk
 - d) None of the above
4. Which one among the following is a system software
 - a) MS Word
 - b) Operating system
 - c) payroll program
 - d) MS excel
5. Which of the following(s) is/are an example of B2C E-Commerce Model?
 - a) Amazon
 - b) Flipkart
 - c) Myntra
 - d) All of these
6. What is an Intranet?
 - a) A private network that connects multiple organizations.

- b) A public network used for online shopping.
 - c) A private network used within an organization for sharing information.
 - d) A global network accessible to anyone.
7. To return the remainder after dividing a number by a divisor in EXCEL which function is to be used?
- a) ROUND()
 - b) FACT()
 - c) MOD()
 - d) DIV()
8. In MS PowerPoint "Themes" are found under which tab?
- a) Transition
 - b) Design
 - c) Insert
 - d) Animation
9. What will be the output of the following Python function?
- ```
len(["welcome", 2, 14, 8])
```
- a) Error
  - b) 6
  - c) 4
  - d) 3
10. Which of the following is a Python tuple?
- a) {1, 2, 3}
  - b> {}
  - c) [1, 2, 3]
  - d) (1, 2, 3)

**Section B**

**Answer all the five Questions**

**5x2=10 Marks**

- 11. Explain ASCII
- 12. Define 'Compiler'
- 13. Define Ecommerce.
- 14. What is the use of header and footer in word?
- 15. How do you comment out a single line and multiple line of code in Python?

**Section C**

**Answer any five questions out of the Seven Questions 5x10=50 Marks**

- 16. a) Convert the octal number 345.6 to its equivalent decimal number (3 Marks)
- b) Convert the decimal number 432.8 to its equivalent binary number (3 Marks)
- c) Perform Subtraction of binary numbers using 2's complement (101110 - 110111) (4 Marks)
- 17. a) Explain the types RAM memory in detail (5 Marks)
- b) Write the differences between high level language and low-level language with respect to computer languages. (5 Marks)

18. Write short notes on EDI and TCP/IP (10 Marks)
19. a) Explain in detail how to insert pictures in MS word (5 Marks)  
b) How do you check "spelling and grammar" mistakes in a word document (5 Marks)
20. Write down the steps involved in applying transition to all slides and advance the slides automatically in power point presentation (10 Marks)
21. What do we understand by loops in python programming. What are the advantages of using loop. Explain 'for loop' and 'while loop' in python programming. [10]
22. What is Python operator? Explain the different types python operators (10 marks)

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