

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

End Semester Examinations – December 2024

Programme Name: B Sc (NS)

Semester: I

Subject Code: UG21T6104

Subject Name: COMPUTER SCIENCE

Date: 23.12.2024

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 questions

10X1=10

1. What does SRAM stand for?
 - a. Static Random Access Memory
 - b. Simple Random Access Memory
 - c. Synchronous Random Access Memory
 - d. Secondary Random Access Memory
2. _____ is a program that translates the code written in high-level programming languages into machine code before execution.
3. Which of the following is NOT a characteristic of e-commerce?
 - a. Global reach
 - b. Reduced transaction costs
 - c. Limited market access
 - d. 24/7 availability
4. In a _____ topology, all devices are connected to a single central hub or switch
5. _____ shortcut key is used to paste copied text into your document.
6. What type of content can be inserted into a slide in Microsoft PowerPoint?
 - a. Text
 - b. Images
 - c. Videos
 - d. All of the above
7. Which of the following is a logical function in Microsoft Excel?
 - a. SUM()
 - b. IF()
 - c. COUNT()
 - d. AVERAGE()
8. State True or False:

We can rename the Excel Sheets of a Workbook in MS Excel as per our requirements.

- a. True
 - b. False
9. What will the output of the following code be: `print([11, 12, 13] + [14, 15, 16])`?
- a. `[11, 12, 13, 14, 15, 16]`
 - b. `[11, 12, 13] + [14, 15, 16]`
 - c. `[11, 12, 13, [14, 15, 16]]`
 - d. Error
10. A _____ is a collection of key-value pairs in Python, defined using curly braces

Section B

Answer all the questions

5X2=10

11. What are utility programs? Give 2 examples
12. How does EDI improve accuracy in business transactions?
13. What is the use of the "Slide Master" in PowerPoint?
14. What is "filter" in Excel?
15. What is a variable in Python? Give example

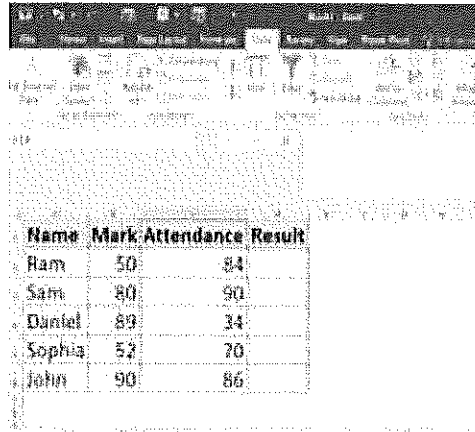
Section C

Answer any 5 questions

5X10=70

16. a) State the difference between RAM and ROM (5 Marks)
- b) Define software. Explain the types of software (5 Marks)
17. a) Describe different types of computer networks with examples. (5 Marks)
- b) Define E-Commerce. Explain the different types of e-commerce models with examples (5 Marks)
18. a) Explain how to insert "Headers and Footers" in Microsoft Word (5 Marks)
- b) Explain animation and transition in Microsoft PowerPoint (5 Marks)
19. a) Write short notes on Cache Memory (5 Marks)
- b) Write about the options in "formatting the paragraph" in Microsoft Word (5 Marks)
20. a) Consider the table given below. Write a function to add either "pass" or "fail" in the Result column based on the following criteria. (3 Marks)

If Mark ≥ 50 and Attendance ≥ 85 , then "pass" or "fail".



Name	Mark	Attendance	Result
Ram	50	84	
Sam	80	90	
Daniel	89	34	
Sophia	52	70	
John	90	86	

- b) Define chart in Excel? Explain any three chart types available in Excel (7 Marks)
21. a) Explain how to apply conditional formatting in Excel (4 Marks)
- b) Describe arithmetic operators and comparison operators in detail with examples (6 Marks)
22. a) Define python lists. Explain accessing the values in lists, updating lists and deleting list elements with example. (5 Marks)
- b) Write a python program to find the factorial of a given number (5 Marks)

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