

Indian Maritime University
(A Central University, Govt of India)
Supplementary Examinations – March/April 2025
Programme Name: B Sc (NS)
Semester: 1st
Subject Code: UG21T6104
Subject Name: Computer Science

Date: 06.03.2025

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 the respective section.

Section A

Answer all questions [10 x 1 = 10]

1. Which topology is characterised by a central hub or switch to which all nodes are connected?
 - (a) Star
 - (b) Mesh
 - (c) Bus
 - (d) Ring
2. Which of the following is NOT a characteristic of assembly language?
 - (a) It is machine-dependent
 - (b) It is human-readable
 - (c) It can be directly executed by the CPU
 - (d) It uses mnemonics for instructions
3. Which of the following is an example of a B2C e-commerce website?
 - (a) Pinterest
 - (b) Quora
 - (c) LinkedIn
 - (d) Amazon
4. Which option would you use to adjust the spacing between lines in a paragraph?
 - (a) Insert -> Line Spacing
 - (b) Review -> Line Spacing
 - (c) Home -> Line Spacing
 - (d) View -> Line Spacing
5. In MS Word, which ribbon contains the "Table" option for inserting a table?
 - (a) Review
 - (b) Insert
 - (c) Home
 - (d) References
6. Which of the following can be used to add a new slide in PowerPoint?

- (a) Ctrl + N
 - (b) Ctrl + M
 - (c) Ctrl + S
 - (d) Ctrl + P
7. Which of the following(s) is/are example(s) of 'Logical Functions' in MS Excel?
- (a) IF
 - (b) AND
 - (c) OR
 - (d) All of these
8. What is the correct file extension for Python files?
- (a) .pyth
 - (b) .pt
 - (c) .py
 - (d) .pyt
9. Which of the following is the correct way(syntax) to create a function in Python?
- (a) def myFunction():
 - (b) function myFunction():
 - (c) create myFunction():
 - (d) define myFunction():
10. State True or False:
We can rename the Excel Sheets of a Workbook in MS Excel as per our requirements.
- (a) True
 - (b) False

Section B

Answer all questions [5 x 2 = 10]

11. What do you understand by 'SmartArt' in MS Word/MS PowerPoint?
12. Define 'cache memory' in computer memory.
13. Mention the difference between internet and intranet.
14. What do you understand by 'Dictionaries' data type in Python Programming?
15. What is 'formula bar' in MS Excel.

Section C

Answer any 5 questions [5 x 10 = 50]

- 16.
- (a) Mention the steps to insert any function in MS Excel.
 - (b) What is the use of 'Conditional Formatting' in MS Excel?
- [5+5]
- 17.
- (a) Explain the various types of network topologies with proper block diagram in computer networks
 - (b) Explain the various challenges in E-Commerce.
- [6+4]
- 18.

- (a) Explain the 'Division(/)', 'Modulus(%)' and 'Floor Division(//)' operators in python programming. Explain with a proper example.
 (b) What do you understand by 'Precedence of Operators' in Python programming?

[6+4]

19.

- (a) Mention the steps to insert 'Headers and Footers' in MS Word.
 (b) Enumerate the differences between SRAM and DRAM.

[5+5]

20.

- (a) Identify/Name the icon given below which is used in MS Excel and explain its functionality.



- (b) Explain the different types of charts in MS Excel.

[5+5]

21.

- (a) Write the steps to insert the given equation in MS Word.

$$\begin{bmatrix} e^x & 0 \\ 1 & 1+e^x \end{bmatrix}$$

- (b) What is the difference between 'Animation' and 'Transition' in MS PowerPoint?

[6+4]

22.

- (a) What do you understand by 'loops' in Python programming? What are the advantages of using loops?

- (b) What will be the output of the following program code? Ignore the indentation.

```
num = 0
for num in range(6):
    num = num + 1
    if num == 3:
        continue
    print('Num has value ' + str(num))
print('End of loop')
```

[6+4]

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