

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

End Semester Examinations – December 2025

Programme Name: B Sc (NS)

Semester: I

Subject Code: UG21T6104

Subject Name: COMPUTER SCIENCE

Date: 13.12.2025

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 respective section.

Section A

Answer all the questions

10X1=10

1. Which of the following is a volatile memory?
 - a) SSD
 - b) Hard Disk
 - c) ROM
 - d) RAM
2. What is the primary purpose of system software?
 - a) To create documents and spreadsheets.
 - b) To manage the computer's hardware and software resources.
 - c) To browse the internet.
 - d) All of the above
3. _____ is a network of computer networks which operates world-wide using a common set of communications protocols.
 - a) Intranet
 - b) Internet
 - c) Network
 - d) None of the above
4. Which of these statements about E-commerce is true?
 - a) E-commerce only includes transactions of physical goods.
 - b) E-commerce only happens on mobile devices.
 - c) E-commerce can include digital goods, services, and even data.
 - d) E-commerce doesn't require any trust mechanisms.
5. Which of the following keyboard shortcut is used to copy the selected text in Microsoft word?
 - a) Ctrl + X
 - b) Ctrl + V
 - c) Ctrl + C
 - d) Ctrl + P
6. The _____ feature in PowerPoint allows you to add visual effects to text and objects in the slides
7. Which function is used to count the number of numerical values in a range?
 - a) COUNT()

- b) COUNTBLANK()
 c) COUNTIF()
 d) COUNTA().
8. What is the result of the OR function "=OR (12>5,12>32)" in Microsoft Excel?
 a) False
 b) True
 c) Error
 d) Null
9. Which of the following is the correct extension of the Python file?
 a) .python
 b) .pl
 c) .py
 d) .p
10. What will be the output Python code:- print(5%17)
 a) 0
 b) 17
 c) 0.29
 d) 5

Section B

Answer all the questions

5X2=10

11. State the advantage of machine language over high level language
 12. List the advantages of computer network
 13. What is the use of the "Slide Sorter" in MS PowerPoint?
 14. Explain the CONCATENATE function in Microsoft Excel
 15. Define keyword in Python Give example

Section C

Answer any 5 questions

5X10=70

16. Describe different types of computer memory (10 Marks)
17. a) Explain compiler, assembler and interpreter (5 Marks)
 b) Explain Electronic Data Interchange (EDI) and its benefits (5 Marks)
18. a) Explain various topologies of computer network with diagram (6 marks)
 b) Explain benefits and limitations of E-Commerce (4 Marks)
19. a) Explain the Mail Merge feature in Microsoft Word and describe the steps in performing mail merge (6 Marks)
 b) Write down the steps involved in applying transition to all slides in power point presentation (4 Marks)
20. a) Explain any 3 functions in "Math & Trig" category in Microsoft Excel with suitable examples (6 Marks)
 b) Explain autofill and flash fill in Microsoft Excel (4 Marks)
21. a) Write the steps to create chart in Microsoft Excel. What is the use of the 'Legend' in Chart? (5 Marks)
 b) Explain "if else" statement in python with example. (5 Marks)
22. a) What is Python operator? Explain the different types of Python operators (5 Marks)
 b) Write a python program to find the Sum of Natural Numbers upto 100 using "for" loop. (5 Marks)