

Indian Maritime University
(A Central University, Govt of India)
End Semester Examinations – June 2023
Programme Name: B Sc (NS)
Semester: 2nd
Subject Code: UG21T5203
Subject Name: Computer Science

Date: 29.05.2023

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 the questions. [10 x 1 = 10]

1. In MS Word, 'WordArt' is used for:
 - a) adding artistic flair to any picture
 - b) adding artistic flair to any texts
 - c) adding artistic page borders
 - d) highlighting texts
2. Companies like Flipkart, Amazon, and Myntra belong to which type of E-Commerce?
 - a) B2B
 - b) C2C
 - c) B2C
 - d) C2B
3. State True or False:
In MS Excel we can merge cells, but cannot unmerge them.
 - a) True
 - b) False
4. In MS Word what is 'Arial Black'?
 - a) Heading Style
 - b) Page Border style
 - c) Referencing Style
 - d) Font Style
5. Which of the following is not a binary number?
 - a) 110
 - b) 1001
 - c) 1102
 - d) 1010

6. Figure 1 shows a picture of an Excel Worksheet. In the given Figure 1, what is the name of the cell that is shaded?

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

Figure 1

- a) C4
b) B;4
c) 4B
d) B4
7. Identify the correct statement from the following with respect to Python Programming.
- a) Tuples are represented with square brackets.
b) Lists are immutable.
c) Tuple is an operator.
d) None of these.
8. In Python Programming, identify the correct syntax to open a file in file handling.
- a) file_1=open (filename, mode)
b) file_1=open (mode, filename)
c) file_1: open (filename, mode)
d) file_1---open (filename, mode)
9. State True or False:
In a computer, the primary purpose of an operating system (OS) is to enable applications to interact with the computer's hardware and to manage the hardware and software resources.
- a) True
b) False
10. Which of the following is not a type of slide layout?
- a) Title Slide
b) Title & Content
c) Blank
d) Design

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Section B

Answer all questions [5 x 2 = 10]

11. What do you understand by 'Functions' in python programming?
12. What is "system software"? Write any two example of utility software.
13. Convert $(122)_{10}$ to binary.
14. What is the difference between DRAM and SRAM?
15. What do you understand by Slide Master in MS PowerPoint?

Section C

Answer any 5 questions [5 x 10 = 50]

16.
 - a) Write any 3 differences between internet and intranet. [6]
 - b) What is mail merge and what are the advantages of mail merge? [4]
 17.
 - a) What is Python operator? Explain the different types python operators. [6]
 - b) Write the steps involved to insert 'charts' in MS Excel. [4]
 18.
 - a) Convert $(110011)_2$ and $(011.101)_2$ to decimal. [5]
 - b) Convert $(2AB3)_{16}$ and $(13)_{10}$ to binary. [5]
 19.
 - a) What is 'Conditional Formatting' in MS Excel? Explain any two types of 'Conditional Formatting' rules in MS Excel. [6]
 - b) Determine the output of the given code. [4]

```
x=5
while(x<15):
    print(x**2)
    x+=3
```
 20.
 - a) Write the differences between high level language and low-level language with respect to computer languages. [6]
 - b) Perform the following subtraction using 1's Complement Method: $(28)_{10} - (17)_{10}$ [4]
 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.
 - a) Write a short note on E Commerce. [5]
 - b) Explain 'Excess 3 Code' with proper example. [5]
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