

Indian Maritime University
(A Central University, Govt of India)
March/April 2024 Supplementary Examinations
Programme Name: B Sc (NS)
Semester: Second
Subject Code: UG21T5203
Subject Name: Computer Science

Date: 12.03.2024

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 (10 x 1 = 10)

1. What is result of binary addition of 1001 + 0101
 - a) 1001
 - b) 1010
 - c) 1110
 - d) 1101
2. What is the use of headers?
 - a) To repeat the content at the top and bottom of every page.
 - b) To repeat the content at the top of every page.
 - c) To repeat the content at the bottom of every page.
 - d) To repeat the content at the middle of every page.
3. Which of the following(s) is/are an example of B2C E-Commerce Model?
 - a) Amazon
 - b) Flipkart
 - c) Myntra
 - d) All of these
4. With respect to E-Commerce 'EDI' stands for:
 - a) Electrical Data Interchange
 - b) Elective Data Interchange
 - c) Electronic Data Interchange
 - d) Electronic Distant Interface

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5. Which one the following is an example of 'Math and Financial Functions' in MS Excel?
- IF
 - ELSE
 - SQRT
 - NOW()
6. HTTPS/https stands for:
- Hyper Text Transfer Protocol
 - Hyper Text Transit Protocol Secure
 - Hyperlink Transfer Protocol Secure
 - Hyper Text Transfer Protocol Secure
7. Identify which one of the following is an example of list data type.
- $3+4j$
 - {"Bus","Car","Flight","Train"}
 - ["Bus","Car","Flight","Train"]
 - Both (b) and (c)
8. In computer arithmetic EBCDIC stands for:
- Extended Binary Coded Decimal Interchange Code
 - Extended Binary Coded Decimal Interface Code
 - External Binary Coded Decimal Interchange Code
 - Extended Binary Computer Decimal Interchange Code
9. In MS PowerPoint "Themes" are found under which tab?
- Transition
 - Design
 - Insert
 - Animation
10. Virtual memory is _____.
- memory on the hard disk that the CPU uses an extended RAM
 - in RAM
 - a backup device for floppy disk
 - None of the above

Section B

Answer all the questions (5 x 2 = 10)

11. Explain ASCII
12. Mention any two challenges faced in E-Commerce.
13. What is slide master in MS PowerPoint?
14. How many time(s) 'Indian Maritime University' will be printed if we run the following code?
- ```
i=True
```

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*[Handwritten signature]*

```
while i:
 print ("Indian Maritime University")
```

15. Define 'Compiler'.

**Section C**  
**Answer all the 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) How do you check "spelling and grammar" mistakes in a word document? [6]  
b) Determine the output of the given code. [4]  

```
x=2
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 Subtraction of binary numbers using 2's complement  $(101110 - 110111)$  [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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