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MARGAO GOA  
FIRST TERM EXAMINATION, OCTOBER 2022  
SUB: SOFTWARE TECHNOLOGY

STD: XI CT

TIME: 1HR

DATE: 17-10-22

MRKS: 20

**INSTRUCTIONS:**

1. All the questions are compulsory
2. There are three sections in this question paper (A, B & C)
3. In section A question no. 1 to 10 consists of multiple choice questions
4. In Section B question no. 11 to 12 consists of 2 marks each
5. In section C question no. 13 to 15 consists of 3 marks each, out of which any two questions should be answered
6. Figures to the right indicate marks allotted to each question

SECTION A

1. The ability of an application to run on different platform is known as \_\_\_\_\_ (01)
  - A) Flexibility
  - B) Reliability
  - C) Portability
  - D) None of the above
2. All the activities that occurs after a program operation are part of \_\_\_\_\_ (01)
  - A) Documentaion
  - B) Program Coding
  - C) Both A and B
  - D) Program Maintenance
3. The operating system where data needs to be processed in fixed quantum of time is \_\_\_\_\_ (01)
  - A) Time sharing
  - B) Real Time
  - C) Multi-user
  - D) Single user
4. Unix is the example of \_\_\_\_\_ (01)
  - A) Single user OS
  - B) Multi user OS
  - C) Real Time OS
  - D) Multi Tasking OS

5. The programs that assist in running application programs and are designed to control the operation of a computer system is \_\_\_\_\_. (01)
- A) Application Software
  - B) System Software
  - C) Utility Software
  - D) All of the above
6. The system software that is used to convert source code into object code is known as \_\_\_\_\_. (01)
- A) Language processor
  - B) Variables
  - C) Data types
  - D) Operating software
7. Every value in Python has a \_\_\_\_\_. (01)
- A) Program
  - B) Data type
  - C) Operator
  - D) Integer
8. An ordered collection of items indexed by positive integers is known as \_\_\_\_\_. (01)
- A) Strings
  - B) List
  - C) Tuples
  - D) Sequence
9. The operator which combines the effect of arithmetic and assignment operator is \_\_\_\_\_. (01)
- A) Arithmetic operator
  - B) Assignment operator
  - C) Assignment and arithmetic operator
  - D) None of the above
10. The leading white spaces at the beginning of each statement is known as \_\_\_\_\_. (01)
- A) Indentation
  - B) Comment
  - C) Spacing
  - D) Margin

SECTION B

11. Write a program to print whether the input number is even or odd. (02)
12. Briefly explain the types of errors that occur during compilation and running of program. (02)

SECTION (ANY TWO)

13. Explain the first three steps in Problem Solving Process. (03)
14. Explain the following steps involved in Problem Solving Methodology. (03)
- A) Problem Definition      B) Problem Analysis      C) Documentation
15. Explain the "if else" statement with its syntax. (03)

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