



ST. JOSEPH'S COLLEGE, PRAYAGRAJ

FIRST UNIT TEST- MAY 2024

CLASS – IX

Time: 1½ Hrs

SUBJECT- COMPUTER APPLICATIONS

Max. Marks: 30

This Paper is divided into two Sections.

Attempt all questions from Section A and Section B separately.

The intended marks for questions or parts of questions are given in brackets [].

Section-A

(Attempt all questions from this Section.)

Question 1. Choose the correct answer and write the correct option.

[6]

- i. Java can be used to write
 - a) Stand-alone applications only
 - b) Both stand-alone and internet applets
 - c) Internet applets only
 - d) None of these
- ii. Procedural Oriented Programming mainly uses
 - a) Top-down approach
 - b) Top-down and bottom-up approach
 - c) Bottom-up approach
 - d) None of these
- iii. An Object has
 - a) Characteristics/attributes
 - b) State
 - c) Behaviour
 - d) Both (b) and (c)
- iv. Java uses for execution.
 - a) Compiler
 - b) Compiler and Interpreter
 - c) Interpreter
 - d) None of these
- v. Which among the following does not come under OOP concept?
 - a) Data hiding
 - b) Message passing
 - c) Platform independent
 - d) Data binding
- vi. What is the extension of compiled java classes?
 - a) .class
 - b) .txt
 - c) .java
 - d) None of these
- vii. allows concurrent execution of two or more parts of a program.
 - a) Multitasking
 - b) Multithreading
 - c) Both (a) and (b)
 - d) None of these
- viii. Which component is responsible to run a java program?
 - a) JVM
 - b) JRE
 - c) JDK
 - d) Both (a) and (b)
- ix. Which of the following is a valid declaration of an object of class Book?
 - a) Book b1 = new Book();
 - b) Book b1 = new Book;
 - c) book b1 = new book();
 - d) Book b1 = new Book(),
- x. The process by which a class acquires the properties and behaviour of another class is known as
 - a) Polymorphism
 - b) Abstraction
 - c) Inheritance
 - d) Encapsulation
- xi. Which keyword do you use to include a class in your program?
 - a) package
 - b) import
 - c) include
 - d) pkg

PTO



- xii. **Assertion(A):** JDK is a component of Java.
Reason (R): JDK is required for compiling and execution of Java programs.
- | | |
|--|-----------------------------|
| a) Both A and R are true and R is the correct explanation of A | b) A is true but R is false |
| c) Both A and R are true and R is not the correct explanation of A | d) Both A and R are false |
| e) A is false but R is true | |

Question 2. Short answer questions

- | | |
|---|-----|
| i. Define Bytecode. | [6] |
| ii. Write any two features of OOPS? | [1] |
| iii. 'A class is a blueprint.' Define the statement. | [1] |
| iv. What do you mean by Message passing? | [1] |
| v. Why Java is referred to as 'Platform-independent'? | [1] |
| vi. Define Abstraction. | [1] |

Section-B

(Attempt any three questions from this Section.)

Question 3.

Write a program using class 'Mydetails' to display the following details of students on the output screen:

Name:

Class:

Roll No.:

Subject:

School:

[6]

Question 4.

Write a program to interchange the value of two numbers without using the third variable.

Display the original and interchanged number with proper message.

[6]

Question 5.

Write a program to input a three-digit number. Reverse the entered number and display the result with proper message.

[6]

Question 6.

Write a program to input marks of five subjects of a 'Student' class. Calculate the total and average of marks. Display the result with proper message.

[6]

*****ALL THE BEST*****