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| Reg. No:  Date: 07-03-2022 |



**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**BSc V SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2021**

**(Examination conducted in January-March 2021)**

**CS 5118 - Java Programming**

**Time- 2 1/2 hrs Max Marks-70 This paper contains ONE printed page and three parts**

**I.ANSWER ALL THE QUESTIONS (2\*10=20)**

1. Define a Class and an Object.

2.What are Conditional Statements ? Give an Example.

3.Differentiate Thread and a Process.

4. How is an Exception different from an Error?

5. What are the Applications of APPLET Programming ?

6. Define Multi Dimensional Array with an Example

7. Define method Prototype.

8. Explain method Overriding. .

9.Give an example of a String method with its purpose.

10. Explain Polymorphism.

**II.ANSWER ANY FIVE (6\*5=30)**

11.Explain Static method and Static variables with an example of your own.

12.Explain the Life Cycle of a Thread in Detail.

13.Differentiate an Abstract Class and a Final Class.

14.Design a Simple Web Page Using APPLET PROGRAMMING.

15.Write a Program to Display 5 students information using Classes and Objects.

16.Write a program to find the sum of a) 2 Integer Numbers b) 3 Float numbers using Constructors. (3+3)

17.Discuss Vector and Wrapper Classes.

**III.ANSWER ANY TWO QUESTIONS (2\*10=20)**

18.Write a Java Program to Display No from 1-10 using

a) For Loop

b) While Loop

c) DO while Loop

according to users choice with the help of SWITCH STATEMENT (3+3+4)

19.What is Inheritance? Explain the different types of inheritance in detail with example.

20.What are the different types of packages? Explain User Defined Packages with example of your own.