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B.M.S COLLEGE FOR WOMEN AUTONOMOUS**BENGALURU – 560004****SEMESTER END EXAMINATION – SEPTEMBER 2023****B.Voc-IT – 2nd Semester****OBJECT ORIENTED PROGRAMMING USING JAVA****(NEP Scheme 2021-22 Onwards F+R)****Course Code: BVIT2DSC05****Duration: 2 ½ Hours****QP Code: 2036****Max. Marks: 60*****Instruction: Answer all the sections.*****SECTION-A****I. Answer any TEN questions. Each question carries TWO marks.****(10X2=20)**

1. Define the terms class and Object.
2. Give the purpose of instance of operator in java with an example.
3. What are command line arguments?
4. How objects in java are created? Give an example.
5. What are final variable and final class?
6. What is polymorphism? Give an example.
7. Mention any four classes available in java.util package.
8. What is an Event and Event handling?
9. What are Applets in java?
10. How Menus in java are created? Give an example.
11. What is an Interface? Give an example.
12. What are javaBeans?

SECTION-B**II. Answer any FIVE questions. Each question carries FOUR marks.****(5X4=20)**

13. Explain the various Datatypes available in java with an example.
14. What are constructors in java? Explain the various types of constructors with an example.
15. Differentiate between method overloading and method overriding.
16. What is an Abstract class? Explain with an example.
17. Write a java program to demonstrate division by zero exception
18. Explain the usage of Check Box and Radio Buttons in GUI programming with an example.
19. Write a note on I/O classes with an example.

SECTION-C**III. Answer any TWO questions. Each question carries TEN marks.****(2X10=20)**

20. Explain the various features of java in detail.
21. What is Inheritance? Explain the different types of inheritance with an example.
22. Explain the creation of user-defined package in java with a suitable programming example.
23. Explain Thread life cycle and various Thread methods with an example.