B.C.A. DEGREE EXAMINATION,APRIL 2019
III Year V Semester
Programming in JAVA

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any TEN questions

1. List any five features of Java?
2. What is meant by abstraction?
3. Define class.
4. What is meant by garbage collection?
5. Define Multithreading.
6. What is synchronization?
7. What is the difference between String and String Buffer?
8. Mention the stream I/O operations.
9. What is Panel class?
10. Define AWT TextArea Class in java.
11. Write the purpose of Exception Handling.
12. What is the use of parseInt() method? Give an example.

Section B $(5 \times 5 = 25)$ Marks

Answer any FIVE questions

13. Explain about Arrays in Java with examples.
14. Write about Method Overloading in Java with examples.
15. Write a java program to illustrate the use of thread methods.
16. Explain the life cycle of an Applet.
17. Write about AWT Event Classes utilized in AWT Event class.
18. Explain the syntax of Exception Handling Code with example.
19. Explain how to avoid deadlock in java.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Describe iteration statements with examples.

21. Write a program to Add and Subtract Numbers using Class and Inheritance.

22. What is package? How to create access and use package? Explain.

23. Describe the usage of character stream classes and the File class.

24. Explain the AWT Layouts in java to arrange the components within the container.

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