VASAVI COLLEGE OF ENGINEERING *(Autonomous)*, HYDERABAD
B.E. (I.T.) II Year II-Semester Advanced Supplementary Examinations, June/July-2017

OOP using Java

Time: 3 hours

Max. Marks: 70

*Note: Answer ALL questions in **Part-A** and any FIVE from **Part-B***

Part-A (10 × 2 = 20 Marks)

1. Define class loader.
2. Identify the use of final keyword in Java.
3. Illustrate the use of finally block in exception handling.
4. What is multithreading? What are two different ways to create threads in Java?
5. Illustrate the significance of StringTokenizer class.
6. What are Comparators?
7. List different AWT controls.
8. Define event handling.
9. Explain about JFrame and JMenu components.
10. List the methods of JOptionPane class.

Part-B (5 × 10 = 50 Marks)
(All bits carry equal marks)

11. a) Discuss the various levels of access protection available for classes, methods and packages.
    b) Write a Java program to display whether a given number is Armstrong number or not.

12. a) Distinguish between String and StringBuffer class.
    b) Explain the concept of thread synchronization with an example.

13. a) Explain about Legacy classes in java.
    b) Write a java program to read a file and count the number of characters, words and lines in a file.

14. a) Explain about delegation event model.
    b) What is a Layout manager? Explain about Flow layout and Border layout managers.

15. a) Why swing components are called lightweight components?
    b) What is the use of JFC in Java Swing?

16. a) How to pass command line arguments in java? Explain with an example.
    b) Explain the significance of character streams.

17. Write short notes on any *two* of the following:
    a) List Interface
    b) repaint()
    c) JPanel

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