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R-14

Code: 4G144

II B.Tech. II Semester Supplementary Examinations August 2021

Object Oriented Programming through Java

(Common to CSE & IT)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

UNIT-I

- 1. a) Explain the three OOPs principles briefly with examples. 7M
- b) Explain features of Java in brief. 7M

OR

- 2. a) What is an array? Write a Java program to print upper triangle values of a given two dimensional array. 7M
- b) Illustrate method overloading in Java. 7M

UNIT-II

- 3. a) Explain the keywords this, static, super and final with one example each. 7M
- b) How do you achieve multiple inheritance in java? Give Example. 7M

OR

- 4. a) How to call super class constructor using derived class? Explain. 7M
- b) Define interface. Write a java program to implement interface. 7M

UNIT-III

- 5. a) With suitable program explain multiple catch clauses. 7M
- b) Explain thread life cycle in detail 7M

OR

- 6. What is an Exception? List out the keywords for exception handing and write steps to develop user defined exception. 14M

UNIT-IV

- 7. a) With suitable example explain StringTokenizer. 7M
- b) Describe the window fundamentals. 7M

OR

- 8. a) List the collection interfaces. Describe List interface. 7M
- b) Explain applet life cycle with suitable program. 7M

UNIT-V

- 9. a) Describe the delegation event model. 7M
- b) Briefly explain Components and Containers. 7M

OR

- 10. a) Write a java program to handle keyboard events. 7M
- b) Explain MVC architecture in swings. 7M
