

Hall Ticket Number :										
----------------------	--	--	--	--	--	--	--	--	--	--

R-14

Code: 4G144

II B.Tech. II Semester Supplementary Examinations February 2022

Object Oriented Programming through JAVA

(Common to CSE & IT)

Max. Marks: 70

Time: 3 Hours

Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)

UNIT-I

- 1. a) Explain relational operators in java. 5M
- b) Java does not support goto statement. Why? 4M
- c) Explain garbage collection in Java. 5M

OR

- 2. a) Explain the OOPs concepts: Encapsulation, Polymorphism and Abstraction 7M
- b) Explain the java buzz words. 7M

UNIT-II

- 3. a) Explain method overriding with an example. 7M
- b) Explain the different levels of access protection in java. 7M

OR

- 4. a) Explain the difference between class and interface with an example each. 7M
- b) Explain in detail the process of creating, defining, importing and accessing a package with suitable examples 7M

UNIT-III

- 5. a) Explain the creation and usage of exception with an example. 7M
- b) Explain thread synchronization with an example. 7M

OR

- 6. a) Explain about different types of exceptions in JAVA. 7M
- b) Explain the creation of thread using Runnable interface and Thread class with an example. 7M

UNIT-IV

- 7. Explain in detail any four classes of the java.net package. 14M

OR

- 8. a) Write the differences between applet and an application program. 7M
- b) Write an applet to display the current date and time. 7M

UNIT-V

- 9. a) Describe delegation event model 5M
- b) Write the limitations of AWT components 4M
- c) Write a java program to illustrate TextEvent. 5M

OR

- 10. a) Write a java program to display the month names by JList and display the days by JComboBox. 7M
- b) In what way JButton is better than Button class? Explain it with an example. 7M
