

Code: IT4T3

**II B.Tech - II Semester – Regular/Supplementary Examinations –
April 2017**

**JAVA
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22

1.

- a) Explain briefly about the java features.
- b) Define Constructor and its characteristics.
- c) Define Overloading methods.
- d) Explain the types of java inheritance.
- e) Difference between the extends keyword and implements keyword.
- f) Explain the different Thread priorities.
- g) Difference between the Applets and Application programs.
- h) Explain the Delegation Event Model.
- i) Describe the AWT class hierarchy.
- j) Write the limitations of AWT.
- k) Define the Socket and Server Socket.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Write about all the operators in java with an example. 8 M
b) Explain the methods available under String and String Buffer Class. 8 M
3. a) Explain the Method Overriding with an example program. 8 M
b) Write a Java program by defining, creating and accessing a package. 8 M
4. a) Write a java program to handle multiple exceptions like Division by zero and Number Formatted Exception. 8 M
b) Explain the different ways of creating a thread. 8 M
5. a) Write a java program to handling all the mouse events. 8 M
b) Explain the different Layout managers in java. 8 M
6. a) Explain the JButton, Checkbox, RadioButton with an example. 8 M
b) Demonstrate the java.net package. 8 M