

Code: IT4T3

**II B.Tech - II Semester – Regular/Supplementary Examinations  
April 2018**

**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) Define one dimensional array with syntax.
- b) What is constructor?
- c) Define inheritance with example.
- d) What is an abstract class?
- e) What is an interface?
- f) Define Runnable Interface.
- g) What is an unchecked exception?
- h) What is a server socket?
- i) What is JFrame?
- j) What is a layout manager?
- k) What are the limitations of AWT?

## PART – B

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

3 x 16 = 48 M

- 2.a) Explain features of JAVA in detail. 8 M
- b) Explain with an example about access specifiers. 8 M
- 3.a) Define inheritance. Explain classification of inheritance with diagrams. 8 M
- b) What do you understand about Interfaces? 8 M
- 4.a) Explain in detail about exception handling mechanism. 8 M
- b) Define an applet. Explain about life cycle of an applet. 8 M
- 5.a) Explain about Delegation Event model with neat diagram. 8 M
- b) Explain about classification of layout manager. 8 M
- 6.a) Develop a program to add the following to a frame. 8 M
- i) Button                      ii) Check box
- iii) Radio Button              iv) Combo box
- b) Develop a simple client server program using java.net package. 8 M