

No. of Printed Pages : 03

Roll No.

E-183

B. Tech. EXAMINATION, Dec. 2018

(Fifth Semester)

(B. Scheme) (Main & Re-appear)

(IT)

IT305B

JAVA PROGRAMMING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

Unit I

1. (a) How do packages differ from Interfaces ? **5**

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(b) Explain important features of Java. 10

2. (a) What is the use of exception handling in Java ? What is the difference between checked and unchecked exception ? 7
- (b) What is inheritance ? Why is multiple inheritance not supported in java ? 8

Unit II

3. (a) Explain thread synchronization in Java. 7
- (b) Explain how inter thread communication is done. 8
4. (a) Explain input and output streams in Java. 10
- (b) Write a program in Java to read a text from console. 5

Unit III

5. Explain TCP/IP programming with example. 15
6. (a) Explain Networking Classes. 5
- (b) Explain HTTP protocol. 10

Unit IV

7. (a) What is event ? Explain its type. What is the use of event listener in Java ? 7
- (b) Explain AWT controls. 8
8. Write a program to using applet to create a frame, add one image on it and also add one button when we click on that button the image changed to another image. 15