

Code: 13A05403

R13

B.Tech II Year II Semester (R13) Supplementary Examinations May/June 2017

JAVA PROGRAMMING

(Common to IT & CSE)

Time: 3 hours

Max. Marks: 70

PART - A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is overridden method?
 - (b) What are the logical operators?
 - (c) What is operator?
 - (d) What is function overloading?
 - (e) Define switch statement.
 - (f) What is overloading constructor?
 - (g) Define nested loops.
 - (h) What are try and catch keywords in java? Explain.
 - (i) What is synchronization?
 - (j) What is deadlock?

PART - B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT - I

- 2 (a) Explain object oriented programming.
(b) Explain control statements in java.
- OR
- 3 (a) Explain iteration using multidimensional array in java.
(b) Write a java program for factorial of a given number n using recursion.

UNIT - II

- 4 (a) Write java program to add methods width, height and length for box class.
(b) Explain implementation of nested interfaces in java.

OR

- 5 (a) Write a java program subclass contain cube for super class contain width, height and length for inheritance.
(b) Explain multithreading in java.

UNIT - III

- 6 (a) Explain exceptional handling with an example program.
(b) Explain generic interfaces.

OR

- 7 (a) Explain reading and writing strings in java with an example program.
(b) Explain reading and writing files in java.

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UNIT - IV

- 8 (a) Explain creation of threads in Java with an example program.
(b) Write thread communication.

OR

- 9 (a) Explain parameter passing in applets with an example program.
(b) Explain handling mouse events.

UNIT - V

- 10 (a) Explain java swings different buttons with an example program.
(b) Explain network interfaces.

OR

- 11 (a) Write java program to create main menu and drawing rectangle.
(b) Explain event handling using swings.

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