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Code No. 3197

FACULTY OF SCIENCE
B.Sc. V-Semester (CBCS) Examination, November / December 2018

Subject : Computer Science

Paper – V : Programming in Java (DSC)

Time : 3 Hours

Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)

Note : Answer any FIVE of the following questions.

- 1 Write about inner classes.
- 2 Write a note on type conversion in java.
- 3 Define thread. List the methods in Thread class.
- 4 What are wrapper classes?
- 5 Why layouts are needed?
- 6 What is the purpose of AWT? List the controls supported by AWT.
- 7 How java supports multiple inheritance?
- 8 Write about thread synchronization.

PART – B (3 x 15 = 45Marks)
(Essay Answer Type)

Note: Answer ALL the questions.

- 9 (a) Explain about branching mechanisms in java by giving an example.
OR
(b) Compare and contrast method overloading and method overriding in java by giving an example for each.
- 10 (a) What is an exception? Define an exception called "No Match Exception" that is thrown when a string is not equal to "India". Write a program that uses this exception.
OR
(b) Define thread. Explain the different ways we can create thread by giving an example for each.
- 11 (a) Explain the sequence of applet's life cycle methods in which they are called with an example program.
OR
(b) What is layout manager? Explain types of layout managers with an example.