S.No. 27

17PCS03

(For the candidates admitted from 2017–2018 onwards)

M.Sc. DEGREE EXAMINATION, APRIL/MAY 2018.

First Semester

Computer Science

ADVANCED JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Write a brief note on synchronization of threads.

Or

(b) Explain the adapter class with an example.

2. (a) How will you use graphics class in java? Explain with an example.

Or

(b) What is the use of Dialog boxes? Explain.

3. (a) Differentiate between AWT and swing components.

Or

(b) Write a short note on MVC architecture.

4. (a) Explain the lift cycle of a servlet.

Or

(b) Write the advantages and disadvantages of RMI technique.

5. (a) What is java Bean? Write the significances of an entity Bean over a java Bean.

Or

(b) Write short notes on call-back methods.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

6. (a) Define serialization. Discus the role of I/O steam classes for object serialization.

Or

(b) Discuss the TCP/IP model in java with an example program.

7. (a) Explain with an example of creating a frame window in an applet.

Or

(b) What is the use f layout managers? Explain any four layout manager with examples.

8. (a) Discuss the image producer, consumer and filter with an example.

Or

(b) Explain the steps for manipulating database with JDBC.

9. (a) What is session tracking? Explain any two ways of tracking session with examples.

Or

(b) Explain the standard action tags in JSP with an example.

10. (a) Discuss the Bean managed verses container managed persistence.

Or

(b) Discuss the significances of enterprise Beans.

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