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Total Number of Pages: 01

B.Tech.
PCIT4303

5th Semester Back Examination 2017-18

Java Programming

BRANCH: AEIE, CIVIL, CSE, ECE, EEE, EIE, ELECTRICAL, ETC, IT, ITE, MECH

Time: 3 Hours

Max Marks: 70

Q.CODE: B266

**Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.**

- Q1 Answer the following questions : (2x10)**
- a) Mentioned some of the separators used in java programming?
 - b) How to create one dimensional array?
 - c) What is meant by Reflection?
 - d) What is static in java?
 - e) What is the relation between an event-listener interface and an event adapter class?
 - f) Why swing components are called lightweight components?
 - g) What are proxies? How they are advantageous?
 - h) Distinguish between static and dynamic binding in java.
 - i) What is multithreading in java?
 - j) What is object slicing?
- Q2 a) Describe the structure of java program. (5)**
b) Explain the features of java. (5)
- Q3 a) Can java directly support multiple inheritance? Illustrate your answer with an example java program. (5)**
b) Write a java program that collects the input as a decimal number of integer type and convert it into a string of hexadecimal number. (5)
- Q4 a) What is the objective of passing parameters in java? Explain various ways of passing parameters with suitable example in java. (5)**
b) Explain various methods involved in the life cycle of an applet. (5)
- Q5 a) List and briefly discuss the swing components in java. (5)**
b) With relevant examples discuss exception handling in java. (5)
- Q6 a) Explain in detail about AWT event hierarchy. (5)**
b) What is meant by stream? What are the types of streams and the classes? Explain in details. (5)
- Q7 What is event handling in java? List out the available event classes and listener interfaces with suitable example. (10)**
- Q8 Write short answer on any TWO : (5 x 2)**
- a) Copy constructor
 - b) Method overloading
 - c) JDBC
 - d) Remote Method Invocation(RMI)