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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)