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Total Number of Pages : 01

B.Tech
PIT3I102

3rd Semester Back Examination 2019-20
OBJECT ORIENTED PROGRAMMING USING JAVA

BRANCH : IT

Max Marks : 100

Time : 3 Hours

Q.CODE : HB897

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part-I

Q1 Only Short Answer Type Questions (Answer All-10) (2 x 10)

- a) Define bytecode .
- b) Define type casting.
- c) What is constructor?
- d) What is synchronization?
- e) What is the benefits of using genetic types?
- f) Differentiate between abstract class and interface.
- g) Define Inheritance.
- h) Define exception.
- i) What is thread?
- j) What is syntax?

Part-II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- a) Explain the two ways of creation of thread .
- b) Explain five main methods of applet.
- c) Explain Delegation event model used to handle events in Java.
- d) What is thread? Describe the complete life cycle of thread with example.
- e) Explain getDocumentbase and getCodebase in applet class.
- f) List out the difference between procedure oriented program and object oriented program.
- g) Explain the function of overloading with example.
- h) Explain function prototyping with example.
- i) Explain how java is robust and interactive.
- j) How to declare two dimensional arrays in JAVA ? Explain with simple example.
- k) Differentiate between Method overloading and method overriding with example.
- l) Explain the followings with example :
Dynamic Method Dispatch, this, super, final.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

- Q3** Describe the various levels of access protections available for packages and their implications. **(16)**
- Q4** Explain the exception handling mechanism with suitable example. **(16)**
- Q5** List and Explain the Java buzzwords. **(16)**
- Q6** Explain the concept of arrays in java with examples. Also write a program that creates and initializes a four integer elements array. Find the sum and average of its values. **(16)**