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(Following Paper ID and Roll No. to be filled in your Answer Book)

Paper ID :110513   Roll No.

B.Tech.

(SEM. V) THEORY EXAMINATION, 2015-16

OBJECT ORIENTED TECHNIQUES

Time:3 hours]   [MaximumMarks:100

Section-A

Q.1 Attempt all parts. All parts carry equal marks. Write answer of each part in short. $20 \times 10 = 20$

   (a)   What is nested state diagram? Explain with suitable example.

   (b)   Differentiate between early and late binding with an example.

   (c)   Differentiate between Overriding and Overloading of function in java.

   (d)   What is unified markup language?

   (e)   What is activity diagram? Explain with suitable example.

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(f) Discuss the synchronization of concurrent activities.

(g) Explain package bundling in java.

(h) What do you mean by condidate keys in object modeling?

(i) What is inheritance in java?

Section-B

Attempt any five questions from this section. 10×5=50

Q.2 Compare architectural modeling and behavioral modeling with justification.

Q.3 What is open data base connectivity (ODBC)? How it is used in java data base connectivity?

Q.4 Explain the Dynamic Model with an example.

Q.5 What do you mean by object modeling technique? Explain. Discuss the varios stages of the object modeling techniques with some example.

Q.6 What do you mean by Scenarios? prepare an event trace for a phone call.

Q.7 Why Java does not support multiple inheritances? Justify.

Q.8 Explain structured analysis and structured design (SA/SD) with example.

Q.9 What is multi threading? How it is achieved in java.

Section-C

Attempt any two questions from this section. 15×2=30

Q.10. Write short notes on:

(a) AWT in Java

(b) Applet in java

(c) JDBC in Java

Q.11. Write short notes on:

(a) Data Store

(b) Actors

(c) Control Flow

Q.12. Compare each in detail:

(a) Applet and Application

(b) Abstraction and Encapsulation.

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