

(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.

- (f) Discuss the synchronization of concurrent activities.
- (g) Explain package bundling in java.
- (h) What do you mean by candidate keys in object modeling?
- (i) What is inheritance in java?

Section-B

Attempt any five questions from this section. $10 \times 5 = 50$

- Q.2 Compare architectural modeling and behavioral modeling with justification.
- Q3. What is open data base connectivity (ODBC)? How it is used in java data base connectivity?
- Q4. Explain the Dynamic Model with an example.
- Q5. What do you mean by object modeling technique? Explain. Discuss the various stages of the object modeling techniques with some example.
- Q6. What do you mean by Scenarios? prepare an event trace for a phone call.

- Q7. Why Java does not support multiple inheritances? Justify.
- Q8. Explain structured analysis and structured design (SA/SD) with example.
- Q9. What is multi threading? How it is achieved in java.

Section-C

Attempt any two questions from this section. $15 \times 2 = 30$

Q10. Write short notes on:

- (a) AWT in Java
- (b) Applet in java
- (c) JDBC in Java

Q11. Write short notes on:

- (a) Data Store
- (b) Actors
- (c) Control Flow

Q12. Compare each in detail:

- (a) Applet and Application
- (b) Abstraction and Encapsulation.

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