

No. of Printed Pages : 03

Roll No.

H-222

B. Tech. EXAMINATION, Dec. 2017

(Eighth Semester)

(Old Scheme) (Re-appear Only)

(IT)

IT-404

OBJECT ORIENTED SOFTWARE
ENGINEERING

Time : 3 Hours]

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

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P.T.O.

Unit I

1. (a) What is object containment ? Explain with example.
(b) Explain the terms : pattern, use case, object relationship, polymorphism.
(c) Explain the stages of OO methodology.
(d) Describe object classification.
(e) Compare event and state. **5×4=20**
2. Describe the object oriented software development process in detail. **20**

Unit II

3. What is Unified Modeling Language ? Explain history and usage of UML. **20**
4. Give highlights of Jacobson methodology. **20**

Unit III

5. What are actors ? Explain the concept of creating use case diagrams. Also explain use case relationship. **20**

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6. What are class diagrams ? Explain the concept of drawing a class diagram specifying relationships. **20**

Unit IV

7. Explain the following :
(a) The emergence of patterns **10**
(b) Reflexive relationship. **10**
8. Write short notes on the following : **20**
(a) Object Construct Language
(b) Patterns.

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