

Sant Gadge Baba Amravati University, Amravati Summer -2020 Examination
Hanuman Vyayam Prasarak Mandal's College of Engineering and Technology, Amravati
Course: Information Technology

BE Four Year Seventh Semester (Information Technology) Summer 2020 Exam
Subject: 7IT02 OBJECT ORIENTED SYSTEM ANALYSIS AND DESIGN
Assignment ONLY FOR BACKLOG STUDENTS

Instructions

- 1) Solve any two question
- 2) Each question carries 10 marks

Question No. I) solve the following

- 1) What are the principles of modeling? [2]
- 2) Explain organizing attributes and operation [2]
- 3) What is Visibility and scope [2]
- 4) What is event? Explain all types of events [1]
- 5) Draw state chart diagram for student of library management system [2]
- 5) What is node and component in component diagram [1]

Question No. II) Solve the following

- 1) What is UML? [2]
- 2) Explain Modeling Techniques of class modeling [2]
- 3) Prepare class diagram and object diagram of Student [2]
- 4) What is use case and scenarios? [1]
- 5) Explain concurrent sub states in state diagram [2]
- 6) Explain the concept 'modeling processor and device ' [1]

Question No.III) Solve the following

- 1) Explain building blocks of UML [2]
- 2) Explain Generalization, Dependency and association [2]

- 3) What is package? Explain with example [1]
- 4) Explain Use case diagram with example [2]
- 5) What is Student in Library management system?
a. Actor b. Use case c. include use case d. extend use case [1]
- 6) Explain common uses of component diagram [2]

Question No. IV) Solve the following

- 1) Explain software development life cycle [2]
- 2) Explain Role, aggregation and association in class diagram [2]
- 3) Prepare class diagram and object diagram of Employee [2]
- 4) What is sequence diagram? Explain with example [2]
- 5) Explain actor, use case, include use case and extend use case [1]
- 6) Explain forward and reverse engineering [1]