

SSN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
B.E. Computer Science and Engineering
CS6502 : OBJECT ORIENTED ANALYSIS AND DESIGN

07 August 2017, 8 - 9.30 AM

UNIT TEST II

Max Marks: 50

Faculty: Ms. S.Manisha / Ms. K.Madheswari

PART A

[5 × 2 = 10 MARKS]

1. Define Reflexive associations (K1) (CO1)
2. What is SSD? Mention the advantages of SSD. (K1) (CO4)
3. Draw state diagram for the control of telephone answering machine. (K3) (CO1)
4. Design the domain model for a banking system. (K3) (CO2)
5. Define conceptual class. List the strategies used to identify the conceptual classes. (K2) (CO2)

PART B

[8+16 = 24 MARKS]

1. Illustrate with an example, the relationship between sequence diagram and Use cases [16] (K2) (CO3)

(OR)

2. A customer decides to upgrade her PC and purchase a DVD player. She begins by calling the sales department of the PC vendor and they tell her to talk to customer support. She then calls the customer support and they put her on hold while talking to engineering. Finally customer support tells the customer about several supported DVD options. The customer chooses a DVD and it is shipped by the mail department. The customer receives the DVD, installs it and on satisfaction and then mails her payment to accounting. Construct an activity diagram for this process. Use swimlanes to show various interactions. [16] (K3) (CO2)

3. Explain in detail about state diagram. Draw the state diagram for elevator control system. [8] (K2) (CO1)

(OR)

4. What is package diagram? Explain the following concepts in with an example 1. Package merge 2. Dependency 3.Generalization 4. Realization 5.Model 6. Access and import keywords 7. Unidirectional and bidirectional link [8] (K2) (CO2)

PART C

[16 MARKS]

1. Online course reservation system is used by the students who wish to get admission for particular course. The system allows the students to view all the available courses. The student can select any desired courses. He/she must fill up and submit the form. In this form, he/she must specify all the personal details and the information required by the system to check the eligibility of the student. The form is submitted to the registrar. If the student is eligible and the required course is available then the student pays the fees for the course and thereby gets admitted to the required course. The student can cancel the admission if he/she wants.

Draw package diagram, component diagram and deployment diagram for the same. [16] (K3) (CO2)

Prepared by

Reviewed by

Ms. S.Manisha/Ms. K.Madheswari

HoD, CSE