

SSN COLLEGE OF ENGINEERING, KALAVAKKAM

Department of Computer Science and Engineering

B.E. (CSE) 5th semester

UNIT TEST – I

CS6502 - Object Oriented Analysis and Design

Date: 29.07.2015

Staff: Ms. S. Manisha

Time: 08.00 – 09:30 A.M

Max. Marks: 50

Question No.	Part A	CO	KL
1	Write the difference between OOA and OOD.	CO1	K2
2	What are the three ways to apply UML?	CO1	K2
3	Write the motivation for a conceptual subclass?	CO1	K1
4	What is an Abstract conceptual class?	CO1	K1
5	Write the difference between aggregation and composition.	CO1	K2

Compulsory Questions.

(1*8 + 1 *16 = 24 marks)

Question No.	Part B	CO	KL
6	Explain Unified Process in detail. (16 marks)	CO1	K2
7	Illustrate the conceptual class list for identifying the domain classes of POS system. (8 marks)	CO1	K2

Case Study

(1*16 = 16 marks)

Question No.	Part C	CO	KL
8	In employee referral process, the HR head of the region where a vacancy exists informs employees of that region and other regional HR heads. The other regional HR heads inform employees by putting up a notice informing them about the vacancy. The employees send on their recommendations to the regional HR head of the region where a vacancy exists. The regional HR head then matches the skills of these candidates with the skills required for the vacant position and shortlist them. An interview schedule is drawn up and the short listed candidates are informed. Based on the interview processing, interview details are updated and all the selected candidates are given offer letter. The candidate informs the HR (head where the vacancy exists) either by accepting or declining the	CO1	K4

	<p>offer letter. When a candidate referred by an employee joins the organization, the employee who has referred the candidate is paid a bonus.</p> <p>a) Identify various use cases and actors involved and represent the user view of the system.</p> <p>b) Identify the various classes and attributes and bring out a class diagram.</p> <p>c) Draw the Activity diagram. (16 marks)</p>		
OR			
9	<p>In a college of CS there are computer laboratories and equipments. Develop a system to create the college as an object and display contents.</p> <p>Requirements:</p> <ul style="list-style-type: none"> • The system shall display the equipment details of the computer laboratory of college. • The maintenance person shall update the details of the laboratory equipments in college. • The user shall be allowed to view the details of equipments in college. <p>Model Use Case diagram and fully dressed Use Case description for a main use case you identify. Draw the Activity diagram for the same. (16 marks)</p>	CO1	K4

All the best

Prepared by

Reviewed by

S.Manisha

HOD – CSE

