

T. E. Comp II
SA00AD C.B.G.V.
25/05/15

QP Code : 3328

(3 Hours)

[Total Marks : 80]

N.B. (1) Question no. 1 is compulsory.

(2) Attempt any three from the remaining.

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| 1. | (a) Describe why a system needs to be analyzed and what are the roles of a system analyst? | 10 |
| | (b) Discuss the various steps involved in object oriented system design with appropriate diagrams. | 10 |
| 2. | (a) Write a short note on : Business Process Re-engineering and its activities. | 10 |
| | (b) What do you mean by SDLC? Describe the different phases of SDLC? | 10 |
| 3. | (a) Draw use case diagram for course registration system and write the use case specification for any two use cases | 10 |
| | (b) Write a system proposal to keep track of inventory in manufacturing unit. | 10 |
| 4. | (a) Draw the DFD for order entry system (up to 2 levels) and describe the procedure for its validation. | 10 |
| | (b) Draw the sequence diagram for login procedure to a system. Include all possible scenarios and draw its activity diagram also. | 10 |
| 5. | (a) Assume that the library management system is deployed in a client server architecture. Explain the various components and its deployment | 10 |
| | (b) Explain the relationship of all OO models with a diagram. | 5 |
| | (c) Write a short note on : Traditional Approach to Design | 5 |
| 6. | (a) What are fraud risks and state its prevention techniques | 10 |
| | (b) Explain the activities done during feasibility analysis. Give the structure of feasibility report. | 10 |