

**BACHELOR IN INFORMATION TECHNOLOGY
(BIT)**

**Term-End Examination
December, 2011**

CSI-02 : SYSTEMS ANALYSIS

Time : 3 hours

Maximum Marks : 75

Note : *There are two sections in this paper. Section-A is compulsory. Answer any three questions from section - B*

SECTION - A

Answer all the questions in this section.

5x2=10

1. State True/False for the following statements :
 - (a) Operating System is an example of System Software.
 - (b) Requirements Analysis is a Software Engineering task that bridges the gap between system level requirements engineering and software design.
 - (c) A Repository is a representation of either reality or vision.
 - (d) A key is an attribute or a group of attributes that assumes a unique value for each entity instance.
 - (e) A prototype is the model of the software to be built.

2. Write any five tasks that are performed during Design phase of a Software Development Life Cycle. 10
3. Define Data Dictionary. How does a Systems Analyst use a Data Dictionary ? 10

SECTION - B

Answer *any three* questions from this section.

4. Draw DFDs (upto 3 levels) for a Student Admission System. 15
 5. Explain the phases of any SDLC in detail. 15
 6. What is a E-R diagram ? What is a flow chart ? Write differences between them. 15
 7. Explain any three ways of performing Requirements Analysis. 15
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