

**B.SC. (I. T.) SEM. - II (CBCS - 2015 COURSE) : WINTER -
2017**

SUBJECT: SYSTEMS ANALYSIS AND DESIGN

Day: **Thursday**
Date: **28/12/2017**

W-2017-0848

Time: **02.30 PM TO 05.30 PM**
Max. Marks: 60

N.B.:

- 1) Attempt any **SIX** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
 - 4) Be brief.
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- Q.1 a)** List the elements of a “System”. Give an example of a real life system and identify the elements listed. **[06]**
- b)** Distinguish between open and closed systems. **[04]**
- Q.2** Discuss the concepts of MIS and DSS. How are they related? How do they differ? **[10]**
- Q.3** What are the skills required by a good systems analyst? Explain any two tasks of the systems analyst. **[10]**
- Q.4** Describe the SCRUM model for system development. State major disadvantages, if any. **[10]**
- Q.5** What are the various methods of gathering information as part of requirement analysis? Give out their merits and demerits. **[10]**
- Q.6** Distinguish between open-ended and closed questions in a questionnaire. Give examples to highlight their use. **[10]**
- Q.7** Draw a context level and level 1 DFD for a library management system. **[10]**
- Q.8** What is SRS? When is it produced in the development cycle? Explain the difference between functional and non-functional requirements. **[10]**

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