

B.Sc. (I. T.) Sem. - II (2011 Course) : WINTER - 2018
SUBJECT: STRUCTURED SYSTEMS ANALYSIS AND DESIGN

Day: Monday
Date: 26/11/2018

W-2018-1099

Time: 10.00 am to 01.00 pm
Max. Marks: 80

N.B:

- 1) Attempt **ANY FIVE full** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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- Q.1 a)** What are the categories of information systems? Explain giving one example of each category. (08)
- b)** Explain the tasks to be performed by a systems Analyst and the skills required to perform these tasks. (08)
- Q.2** Draw the Context Level, Level 1 and Level 2 Data Flow Diagram for a Library Management System in your college. (16)
- Q.3 a)** Explain the major differences between the Waterfall Model of system development and any one Agile Model. Clearly bring out the advantages and disadvantages of each. (10)
- b)** What are the characteristics of good documentation? (06)
- Q.4 a)** Describe the various methods of gathering information as a part of requirements analysis, giving out their merits and demerits. (10)
- b)** What do you understand by External and Internal sources of information in the context of requirements gathering? Give two example for each. (06)
- Q.5 a)** Distinguish between coupling and cohesion. What is the result of poor coupling and cohesion? (08)
- b)** What is Information System Audit? Why is it required? (08)
- Q.6** Write short notes on **ANY FOUR** of the following: (16)
- a) Span of Control
 - b) Modularity
 - c) Risk Analysis
 - d) Real Time systems
 - e) Controls in I/O design

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