

B.SC. (I. T.) SEM. - II (CBCS - 2015 COURSE) : SUMMER - 2018

SUBJECT: SYSTEMS ANALYSIS AND DESIGN

Day: **Wednesday**
Date: **23/05/2018**

S-2018-0948

Time: **10.00 a.m. to 01.00 p.m.**
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** Clearly distinguish between TPS, MIS and DSS. Give one example of each to highlight their differences. **[10]**
- Q.2** What do you understand by external and internal sources of information in the context of requirements gathering? When is an analyst more dependent on external sources? Why? **[10]**
- Q.3** Consider a fast-food outlet similar to McDonalds or Pizza Hut. Prepare an SRS for the system. (very brief statements against requirements are adequate) **[10]**
- Q.4** Giving suitable examples, explain where an agile development model will be preferred over the Waterfall model. Highlight the merits and demerits of each. **[10]**
- Q.5** What is a Feasibility Study? Explain its purpose and the desired outcomes from a feasibility study. **[10]**
- Q.6** Explain the steps involved in constructing a DFD. What are its uses? List any four common errors to be avoided while making a DFD. **[10]**
- Q.7** What do you understand by Prototyping? Give out its advantages and disadvantages along with any two applications. **[10]**
- Q.8** Using Structured English, define the steps involved in selecting and buying a book from a book shop. **[10]**

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