

**B.SC. (I. T.) SEM. - IV (2011 COURSE) : SUMMER - 2018**  
**SUBJECT: SOFTWARE ENGINEERING & CASE TOOLS**

Day: **Friday**  
Date: **18/05/2018**

Time: **10.00 am to 12.00 Noon**  
Max. Marks: **40**

**S-2018-0980**

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**N.B.:**

- 1) Attempt any **FIVE** questions.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labelled diagrams **WHEREVER** necessary.
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- Q.1** What is Software Engineering? Explain the importance of software engineering in detail. **(08)**
- Q.2** Compare Spiral model of SDLC with Waterfall model. Which of them is better? Justify your answer. **(08)**
- Q.3** What is the importance of Standardization? Write a short note on IEEE standards for developing SRS. **(08)**
- Q.4** Differentiate 'System Analysis' from 'System Design'. Justify the advantage of using CASE tools for software engineering process. **(08)**
- Q.5** Explain 'Software Architecture' components in brief. **(08)**
- Q.6** What are Interfaces? Explain various types of interfaces used in software systems. Enlist various characteristics of good 'User Interface'. **(08)**
- Q.7** Explain the concept of 'Software Maintenance' in detail. **(08)**

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