

B.SC. (I. T.) SEM. - IV (CBCS - 2015 COURSE) : SUMMER - 2018
SUBJECT : SOFTWARE ENGINEERING

Day : **Tuesday**
Date : **22/05/2018**

S-2018-0952

Time : **10.00 a.m. to 01.00 p.m.**
Max. Marks : 60

N. B. :

- 1) Attempt **ANY SIX** questions out of **EIGHT**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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- Q. 1** a) What is Software? Explain different types of software with examples. (05)
- b) What is Software Engineering? Why is it important? Justify your answer with examples. (05)
- Q. 2** a) What is requirement Analysis? What are the tasks involved and which document is prepared during this phase? (05)
- b) Explain cohesion and coupling in detail with examples. (05)
- Q. 3** a) What is the difference between functional and non-functional requirement? Explain with an example. (05)
- b) List out the important characteristics of SRS. (05)
- Q. 4** a) Explain different level of testing. (05)
- b) What are the objectives of software testing? (05)
- Q. 5** a) Mention some software analysis and design tools? Explain any one of them in detail. (05)
- b) Explain any two components of UML with diagram. (05)
- Q. 6** a) Explain static and dynamic diagram in UML. List out diagram which falls under static and dynamic. (05)
- b) What are the elements of configuration management? (05)
- Q. 7** a) What is a Data Flow Diagram? What are the objectives of DFD? (05)
- b) Name 9 modelling diagrams that are frequently used in Use Case. Explain any one in detail. (05)
- Q. 8** Write a short note on: (10)
- a) Black Box and White Box Testing
- b) Requirement Engineering

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