

M. SC. (I.T.) SEM. – II (C.B.C.S. COURSE) (2015 COURSE) :

WINTER - 2017

SUBJECT: SOFTWARE ENGINEERING

Day: Wednesday

Date: 27/12/2017

Time: 02.30 pm to 05.30 pm

Max. Marks: 60

W-2017-0918

N. B.

- 1) Attempt any **FIVE QUESTIONS**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagram **WHEREVER** necessary.
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Q.1 a) Compare and contrast the different life cycle models. **(06)**

b) With a suitable example explain the change control process in detail. **(06)**

Q.2 a) Define and differentiate functional and nonfunctional requirement with an example. **(06)**

b) Briefly explain the design concepts-Abstraction, Modularity and Refactoring. **(06)**

Q.3 a) What is a software process model? Explain the types of software process models? **(06)**

b) Draw a sequence diagram for withdrawing money from ATM. **(06)**

Q.4 a) Explain the activities involved in reengineering process with an illustrative figure. **(06)**

b) What are the different activities involved in software configuration management? **(06)**

Q.5 a) Name 9 modelling diagrams that are frequently used in Use Case. Explain any one in detail. **(06)**

b) Explain Generalization and aggregation with an example. **(06)**

Q.6 Write Short Notes on : **(12)**

a) Coupling

b) Version Control

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