

Con. 3777-11.

(REVISED COURSE)

RK-2640

(3 Hours)

[Total Marks : 100

N.B. (1) Question No. 1 is **compulsory**.(2) Attempt any **four** out of remaining **six**.(3) Assume **suitable** data wherever **required**.

1. (a) Construct class diagram and sequence diagram for Engineering College. 10
(b) Construct use Case diagram and Activity diagram for online airline reservation system. 10
 2. (a) Explain software configuration management and change control management in detail. 10
(b) Explain the open source software life cycle model. 10
 3. (a) Why is FTR necessary ? How FTR is conducted ? 10
(b) Differentiate between static modelling and dynamic modelling in detail. 10
 4. (a) What is Requirement ? Explain different types of requirements. 10
(b) State different types of coupling and cohesion. Explain any 4 types of coupling and cohesion. 10
 5. (a) Explain how project scheduling and tracking is done for a software development project. 10
(b) Explain Re-engineering in detail. 10
 6. (a) Compare waterfall model and spiral model of software development. 10
(b) Explain the COCOMO model used for software estimation. 10
 7. Write short notes on (any **two**) :— 20
 - (a) Software Architectural Style
 - (b) Software Testing Strategies
 - (c) Types of Maintenance.
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