

4E2026

Roll No. : _____

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B. Tech. (Sem. IV) (Reback) Examination, June/July - 2011
Information Tech.
4IT4 Software Engineering

Time : 3 Hours]

[Total Marks : 80

[Min. Passing Marks : 24

*Attempt any five questions. All questions carry equal marks.
Schematic diagrams must be shown wherever necessary. Any data
you feel missing suitably be assumed and stated clearly.*

Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)

1. _____ Nil

2. _____ Nil

- 1 (a) Define system. What is the importance of system analysis ?
Why it is essential before developing the system ? Explain
it detail with example.

8

- (b) How the problem in system development is final ? Justify
yours answer.

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OR

- 1 (a) Explain in detail various steps are involved in the System
Development Life Cycle (SDLC).

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- (b) How the project planning is done ? What are various method
which are used for effective software system planning ?

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- 2 (a) What are the objectives of Software Project Management ?
Explain Software Resources and estimation.

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- (b) Explain (SWDLC) Models Software Engineering approaches.

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OR

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[Contd...

- 2 (a) How Software project scheduling is made ? Explain in detail. 8
(b) Explain in detail (COCOMO) model for Software Engg. 8
- 3 (a) What is the importance of software requirement analysis ?
How this task is to be analysed ? Explain. 8
(b) Write short notes on the following :
(i) Finite state machine models (FSM)
(ii) DFD (data flow diagram) 8

OR

- 3 (a) What is the importance of Software prototyping ? Explain in
detail with Software example. 8
(b) Write short notes on the following :
(i) Data dictionary
(ii) Finite state machine models (FSM). 8
- 4 (a) Explain various steps involved in Software design process. 8
(b) Why Software documentation is essential for the
developmental of s/w design explain. 8

OR

- 4 (a) Differentiate between Software development traditional
approaches and s/w modular design approaches. 8
(b) Write short notes on :
(i) Procedural design
(ii) Software testing. 8



- 5 (a) What do you mean by object oriented analysis ? Explain the object oriented analysis modeling in detail.
- (b) Write short notes on the following :
- (i) Unified Modeling Language
 - (ii) Class and object relationships.

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OR

- 5 (a) What are the important feature and characteristic of effective object oriented design explain.
- (b) Write short notes on the following :
- (i) Data modeling
 - (ii) Object modularization.

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