



DJ-1865

Second Year B. C. A. (Sem. III) Examination
September / October – 2007
Software Eng.

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टवैध निशानों के बिना उत्तरवही पर अवश्य लपकी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. B. C. A. (Sem. 3)

Name of the Subject :
Software Eng.

Subject Code No. : 1 8 6 5 Section No. (1, 2,.....) : Nil

Seat No. : 0 0 0 3 9 6

J. B. D.

Student's Signature

(2) Figures to the right indicate full marks.

1 Answer the following : (any five) 10

- (1) Define the term Software Engineering.
- (2) List out some goal of Software Engineering.
- (3) What is "divide and concure"?
- (4) Give the relationship between coupling and cohesion.
- (5) Define Glass Box Testing.
- (6) What do you understand by Black Box Testing?

25/2/11
25/2/11
29/3/11

(a) Explain any one structural testing technique. 10

(b) How will you map customer requirements into software architecture? 346 → 5

OR

25/2/11
29/3/11

(a) Give the structure of Design Documentation. 10

(b) List out the steps of Transform Flow. 5

(a) Discuss the problems using natural language for defining user and system requirements. → 5

(b) Discuss the components of SRS. 10

OR

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[Contd...

- 3 (a) List out some clues for identifying errors in DFD. → 5
25) (b) Explain prototyping model with its limitations. 10
- 4 Write notes on any three : 15
32) (1) Coupling 35^m
(2) Functional testing 50m^{han}
(3) Software maintenance 73^{han}
(4) Data dictionary
- 5 (a) Prepare Data Flow Diagram for railway reservation system. 8
30m^{han} 20m^{han} 10m^{han}
(b) Prove "Exhaustive testing is not possible". How is effective Modular Design achieved? 8
20m^{han} 30m^{han} 10m^{han}
- OR
- 6 (a) Which software development phase is more significant to achieve Quality? Why? 8
Discuss S/w characteristics.