



RF-1845

B. C. A. (Sem. III) Examination

April / May – 2010

305 : Software Engineering

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी.
Fillup strictly the details of signs on your answer book.

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

Name of the Subject :
305 : Software Engineering

Subject Code No. : 1 8 4 5 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

(2) Each question carries equal marks.

(3) Take appropriate assumption(s) as and when require.

Q-1. Answer the following (Any Seven):

[14]

1. Define Fault and Failure.
2. What do you mean by Software Quality.
3. Explain Pareto Principle.
4. What is "divide & concure" rule?
5. Compare Glass box testing with black-box testing.
6. Compare DFD with Flow chart.
7. Compare Software and Hardware.
8. Define the term: "Software Engineering".

Q-2.

[14]

Create a Data Flow Model (at least up to 2nd level) with its appropriate Data Dictionary for any Show-room Dealer.

Q-3. Answer the following [Any Two]

[14]

1. Explain Characteristics of SRS.
2. Write a note on Coupling.
3. Explain the translation of Analysis into Design model.

Q-4.

**[14]
[8+6]**

[A] Answer the following [Any One]:

1. Which software development phase is more significant to achieve Quality? Justify?
2. What is test-case? Explain using appropriate example, how it designs?

[B] Answer the following [Any Two]

1. Compare Water fall model with Prototype.
2. Explain briefly the Role of System Analyst.
3. List out Testing objectives.

Q-5. Attempt the following [Any Two]

[14]

1. List the circumstances under which you recommend that prototyping should be used. What are the difficulties that might arise when using that approach?
 2. Write advantages of using SRS in detail.
 3. What is QFD? Write its importance.
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