



KA-3788

Second Year B. C. A. (Sem. III) (CBCS)  
Examination

September / October - 2012

302 - Software Engineering - I

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशिक निशानावाणी विगतो उत्तरवही पर अवश्य बजनी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
S. Y. B. C. A.

Name of the Subject :  
302 - Software Engineering - 1

Subject Code No. : 3 7 8 8 Section No. (1, 2,.....) : NIL

Seat No. :

Student's Signature

- 1 Answer in short : (any seven) 14
- Why does the Waterfall model sometimes fail ?
  - Define Software Engineering. List out some goals of Software Engineering.
  - What is Module and Sequence ?
  - Game Playing is the representative of which kind of software ?
  - "Project requirement continually change, but change can be easily accommodate because software is flexible", which type of myth it is ?
  - Define coupling. List out its types.
  - What is Fact-Finding ?
  - What is Process Specification ?
- 2 Answer the following : 7
- Explain Requirement Analysis and Current Application Analysis. List out roles of System Analyst. 7
  - Explain Cohesion and Coupling in detail. 7

OR

- 2 Answer the following : 7
- Explain design model and principles. 7
  - State the advantages and disadvantages of prototyping model. 7

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[Contd...

- 3 Answer the following :
- (i) Explain Components of SRS. 7
  - (ii) Explain Design Documentation in detail. 7

OR

- (ii) What is the difference between analysis and design ? 7  
Can anyone begin to design without analysis ? Justify.
- 4 Write a short note : (any two) 14
- (i) Generic View of Software Engineering
  - (ii) Requirement Gathering Technique
  - (iii) Design Concepts.
- 5 (i) Draw a Data Flow Diagram for Banking System. 10  
Develop the DFD upto 2<sup>nd</sup> level.
- (ii) Develop Data Dictionary for the same. 4