



JA-3731

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

March/April – 2013

302 - Software Engineering : Paper - I

Time : Hours]

[Total Marks : 70

Instruction :

नीचे दृष्टवित्त निशानिवाणी विगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
S. Y. B. C. A. (Sem. 3) (CBCS)	<input type="text"/>
Name of the Subject :	<input type="text"/>
302 - Software Engineering : Paper - 1	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 7 <input type="text"/> 3 <input type="text"/> 1	Section No. (1, 2,.....) : <input type="text"/> NIL
Student's Signature	

- 1 Answer in short : (any seven) 14
- Define :
 - Software Engineering
 - Software
 - What is Requirement Gathering ? List various techniques for Requirement Gathering.
 - What is context level diagram ?
 - What is the importance of Requirement Specification ?
 - What do you mean by problem analysis ?
 - What is Functional Independence ?
 - Give the relation between coupling and cohesion.
 - What is Current Application Analysis ? List out roles of System Analyst.

- 2 Answer the following :
- Explain types of cohesion. 7
 - Explain characteristics of software. 7

OR

- 2 Answer the following :
- Explain Generic View of Software Engineering. 7
 - Explain prototype model in detail. 7

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[Contd...

- 3 Answer the following :
- (i) What is SRS ? Explain its characteristics. 7
 - (ii) Explain structured design methodology. 7
- OR**
- (ii) What is Module and Sequence ? Explain any two Design Concepts. 7
- 4 Write a short note : (any two) 14
- (i) Feasibility Study
 - (ii) Software Myths
 - (iii) System Design
- 5 (i) Draw a Data Flow Diagram for Online Shopping System. Develop the DFD upto 2nd level. 10
- (ii) Develop the data dictionary for the same. 4