



ME-3731

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

October / November – 2013

302 - Software Engineering : Paper - I
(New Course)

Time : Hours]

[Total Marks : 70

Instruction :

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

1 Answer in short : 14

- (1) What is Software ?
- (2) Define temporal cohesion.
- (3) What is software process model ?
- (4) What is Problem Analysis ?
- (5) What is functional independence ?
- (6) What is Vertical Partitioning ?
- (7) What is Forward traceability ?

2 Answer the following questions : 7

- (a) Explain the generic view of software engineering. 7

OR

- (a) Explain the waterfall model. 7

- (b) Discuss software characteristics with diagram 7

OR

- (b) Explain s/w applications. 7

3 Answer the following: 6

- (a) Explain the prototype model. Give advantages of it. 6

OR

- (a) Explain the elements of analysis model 6

ME-3731]

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[Contd...

(b) Explain the characteristics of SRS. 8

OR

(b) Explain SRS components in detail. 8

4 Answer any two : 14

(1) Explain Modularity in detail.

(2) Explain design principles.

(3) Explain different types of coupling.

5 (a) Draw a DFD for Online Shopping System. 10

OR

(a) Draw a DFD for Library management System. 10

(b) Write Data Dictionary for above DFD. 2

(c) Write Process Specification for above DFD. 2