



P-3731
Second Year B. C. A. (Sem. III) Examination
March/April – 2014
302 : Software Engineering : Paper - I
(New Course)

Time : Hours]

[Total Marks : 70

Instruction :

नीचे दशांशों में निम्नलिखित विषयों के उत्तरवही पर अवश्य लिखें। Fillup strictly the details of signs on your answer book. Name of the Examination : <input type="text" value="S. Y. B. C. A. (Sem. 3)"/> Name of the Subject : <input type="text" value="302 : Software Engineering : Paper - 1 (New)"/> 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"/>	Seat No.: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text" value="Student's Signature"/>
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- 1 Answer in short : 14
- (i) What is Software Process Model?
 - (ii) Define Fan-in and Fan-out.
 - (iii) What is perfective maintenance?
 - (iv) Define QFD.
 - (v) What is functional independence?
 - (vi) What is Software Engineering?
 - (vii) What is Forward traceability?
- 2 Answer the following questions :
- (a) Explain Management and Customer Myths. 7
OR
 - (a) Explain s/w applications. 7
 - (b) Discuss software characteristics with diagram. 7
OR
 - (b) Explain the waterfall model. Give Advantages and Disadvantages of it. 7
- 3 Answer the following :
- (a) Explain the characteristics of SRS. 6
OR
 - (a) Explain the elements of analysis model 6
 - (b) Explain requirement gathering techniques. 8
OR
 - (b) Explain the components of SRS. 8

- 4 Answer the following :
- (a) Explain Transition from Analysis to Design Model. 7
- OR**
- (a) Explain design concepts. 7
- (b) Explain design principles. 7
- OR**
- (b) Explain design heuristics. 7
- 5 (a) Draw a DFD for Inventory Management System. 10
- OR**
- (a) Draw a DFD for Hospital Management System. 10
- (b) Write Data Dictionary for above DFD. 2
- (c) Write Process Specification for above DFD. 2
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