



EN-3731

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

October / November - 2016

302 : Software Engineering - I

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशांशक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

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

Name of the Subject :
302 : Software Engineering - I

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

Seal No. : [] [] [] [] [] []

Student's Signature

1 Answer in short : 14

- (1) What is Software Process Model ?
- (2) Define Structure Partitioning.
- (3) What is perfective maintenance ?
- (4) Give advantages of Interview over Questionnaire.
- (5) What is functional independence ?
- (6) Write down highest level of coupling types.
- (7) What is Forward traceability ?

2 Answer the following questions : 7

(a) Explain Management and Developer Myths.

OR

- (a) Explain Generic View of Software Engineering. 7
- (b) Discuss software characteristics with diagram. 7

OR

- (b) Explain the Linear Sequential model. Give advantages and disadvantages of it. 7

- 3** Explain following : **14**
- (a) Characteristics of SRS.
- OR**
- (a) Elements of analysis model.
(b) Requirement gathering techniques.
- OR**
- (b) Rules for DFD.
- 4** Answer the following :
- (a) Explain Transition from Analysis to Design Model. **7**
- OR**
- (a) Explain Design Documentation Structure. Also explain any two design concepts. **7**
- (b) Explain Design principles. **7**
- OR**
- (b) Write down criteria for effective modular design. **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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