



G-3731

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

November/December – 2014

302 : Software Engineering : Paper - I

Time : Hours]

[Total Marks : 70

Instruction :

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| नीचे दशांकित निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. 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) | <input type="text"/> |
| Name of the Subject : | <input type="text"/> |
| 302 : Software Engineering - 1 | <input type="text"/> |
| Subject Code No. : 3 7 3 1 | Section No. (1, 2) : NIL |
| Student's Signature | |

- Q-1 Answer in short. 14
- 1 What is Software Process Model?
 - 2 Define Structure Partitioning.
 - 3 What is preventive 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?
- Q-2 Answer the following questions.
- (a) Explain Management and Developer Myths. 7
- 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
- Q-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 Logical and Physical DFD. 8
- Q-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

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(b) Write down criteria for effective modular design.

Q-5 (a) Draw a DFD for Online Shopping System.

OR

(a) Draw a DFD for Hospital Management System.

(b) Write Data Dictionary for above DFD.

(c) Write Process Specification for above DFD.

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