



RC-3731

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

March / April - 2017

302 : Software Engineering - I

Time : Hours]

[Total Marks : 70

Instruction :

नीचे दशादेव निशानीवाणी विगतो उत्तरवकी पर अवश्य खपवी.  
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 - 1

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

Seat No. : [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

1 Answer in short : 14

- (1) What is Software ?
- (2) Define coincidental cohesion.
- (3) What is software architecture ?
- (4) Define fan in and fan out.
- (5) What is procedural abstraction ?
- (6) What is software engineering ?
- (7) What is Pancake Structure ?

2 Answer the following questions : (any two) 14

- (a) Discuss different software applications.
- (b) Explain Developer and Programmer Myths.
- (c) Explain the prototype model. Also write its advantages and limitations.

3 Explain following :

- (a) Characteristics of Software Requirement Specification. 7

OR

- (a) Various components of SRS. 7

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[ Contd...

(b) Analysis Model with diagram. 7

OR

(b) Requirement gathering techniques. 7

4 Answer the following :

(a) Explain different types of coupling. 7

OR

(a) Define Control Hierarchy. Also explain different types of partitioning. 7

(b) Explain Transition from Analysis to Design Model. 7

OR

(b) Explain design heuristics. 7

5 (a) Draw a DFD for Supermarket Stock System. 10

OR

(a) Draw a DFD for Online Railway Reservation System. 10

(b) Write Data Dictionary for above DFD. 2

(c) Write Process Specification for above DFD. 2