



A-3731

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

March / April – 2015

302 : Software Engineering - I

Time : 3 Hours]

[Total Marks : 70

Instruction :

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

Name of the Examination :
SECOND YEAR B.C.A. (SEM. III)

Name of the Subject :
302 : SOFTWARE ENGINEERING - I

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

Seat No. :

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Student's Signature

- 1 Answer in short. 14
- (1) What is Software ?
 - (2) Define temporal cohesion.
 - (3) What is software architecture?
 - (4) Define prototype.
 - (5) What is functional abstraction?
 - (6) What is cardinality?
 - (7) What is Pancake Structure?
- 2 Answer the following questions.(Any Two) 14
- (1) Discuss different software applications.
 - (2) Explain Developer and Customer Myths.
 - (3) Explain the prototype model. Also write its advantages and limitations.
- 3 Answer any two: 7
- (a) Explain SRS needs in detail. 7
- OR**
- (a) Explain SRS components in detail. 7
 - (b) Define problem analysis. Explain Analysis Model with diagram. 7
- OR**
- (b) Explain 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 Air Ticket Reservation System. 10

(b) Write Data Dictionary for above DFD. 2

(c) Write Process Specification for above DFD. 2