



**A-3731**  
**Second Year B.C.A. (Sem. III) Examination**  
**March / April – 2015**  
**302 : Software Engineering - I**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

<p>नीचे दशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>SECOND YEAR B.C.A. (SEM. III)</b></p> <p>Name of the Subject : <b>302 : SOFTWARE ENGINEERING - I</b></p> <p>Subject Code No. : <b>3 7 3 1</b> Section No. (1, 2,....): <b>Nil</b></p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- 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:
- (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
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