



**KA-3788**  
**Second Year B. C. A. (Sem. III) (CBCS)**  
**Examination**  
**September / October – 2012**  
**302 - Software Engineering - I**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

<p>नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p><b>S. Y. B. C. A.</b></p> <p>Name of the Subject :</p> <p><b>302 - Software Engineering - 1</b></p> <p>Subject Code No. : <b>3</b> <b>7</b> <b>8</b> <b>8</b> Section No. (1, 2,.....) : <b>NIL</b></p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; height: 60px; margin-top: 10px; display: flex; align-items: center; justify-content: center; padding: 10px;">Student's Signature</div>						

- 1 Answer in short : (any seven) 14
- (i) Why does the Waterfall model sometimes fail ?
  - (ii) Define Software Engineering. List out some goals of Software Engineering.
  - (iii) What is Module and Sequence ?
  - (iv) Game Playing is the representative of which kind of software ?
  - (v) "Project requirement continually change, but change can be easily accommodate because software is flexible", which type of myth it is ?
  - (vi) Define coupling. List out its types.
  - (vii) What is Fact-Finding ?
  - (viii) What is Process Specification ?

- 2 Answer the following :
- (i) Explain Requirement Analysis and Current Application Analysis. List out roles of System Analyst. 7
  - (ii) Explain Cohesion and Coupling in detail. 7

**OR**

- 2 Answer the following :
- (i) Explain design model and principles. 7
  - (ii) State the advantages and disadvantages of prototyping model. 7

- 3** Answer the following :
- (i) Explain Components of SRS. **7**
  - (ii) Explain Design Documentation in detail. **7**
- OR**
- (ii) What is the difference between analysis and design ? **7**  
Can anyone begin to design without analysis ? Justify.
- 4** Write a short note : (any two) **14**
- (i) Generic View of Software Engineering
  - (ii) Requirement Gathering Technique
  - (iii) Design Concepts.
- 5** (i) Draw a Data Flow Diagram for Banking System. **10**  
Develop the DFD upto 2<sup>nd</sup> level.
- (ii) Develop Data Dictionary for the same. **4**
-