Code: **CSCS2T2**

I M.Tech -II Semester - Regular Examinations - AUGUST 2016

SOFTWARE ENGINEERING
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Max. Marks: 70
Answer any FIVE questions.   All questions carry equal marks

1.
   a) State and explain various software myths.   7 M

   b) Explain about process patterns.   7 M

2.
   a) Explain the following
      i) RAD model   ii) Spiral model   8 M

   b) Discuss various topics in a software requirements
      specification document.   6 M

3.
   a) Explain about feasibility study of requirements engineering
      process.   7 M

   b) Explain about data models with examples.   7 M

4.
a) Explain about design process and design quality.   7 M

b) List five desirable characteristics that a good user interface should possess.   7 M

5.
a) Explain the various basic object-orientation concepts briefly.
7 M

b) Draw the use-case diagram for Online Railway Reservation System.   7 M

6.
a) Explain the following
   i) System Testing   ii) Debugging Process   8 M

b) Explain the metrics for testing.   6 M

7. Explain the following
   a) Metrics for software quality.   6 M
   b) Software risks.   4 M
   c) Risk refinement.   4 M

8. Explain the following.
   a) SQA.   6 M
   b) Software Reviews.   4 M
   c) Quality Concepts.   4 M