I M.Tech - II Semester - Regular Examinations - August 2014

SOFTWARE ENGINEERING
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain about various software myths and reality.   7 M

   b) What is a process pattern? And explain about template for describing a process pattern?   7 M

2. a) Write about the spiral model?   7 M

   b) Explain about types of non-functional requirements.   7 M

3. a) Discuss about the requirements elicitation and analysis process?   7 M

   b) Explain about microwave oven operation with state machine model.   7 M

4. a) What are the quality guidelines and quality attributes? 7 M

   b) What are the golden rules for user interface and explain?
                                          7 M

5. Explain about ATM system with different UML diagrams.

14 M

6. a) Explain about integration testing. 7 M

   b) How to calculate program length and volume and explain with example? 7 M

7. a) What are the metrics used for software measurement and explain? 7 M

   b) What is RMMM plan? 7 M

8. Write a short notes on
   a) What is the role of a software quality assurance group? 5 M
   b) What is SQA plan? 5 M
   c) What steps are required to perform statistical SQA? 4 M