



*Department of Information Technology*  
**NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**  
**MINOR EXAMINATION**

Course: Software Engineering  
Semester: 4<sup>th</sup>  
Date: 23/05/17

Time: 1.5hrs  
Max. Marks: 30  
Code: IT 401

Attempt all the questions

Q1. (a) What is software and what are its various components? ✓ [5]

✓(b) What is the generic view of software engineering and what are the various characteristics of a software process? [5]

Q2. (a) What is a software life cycle model? Explain in detail the Rapid Application Development (RAD) model used for software development with suitable example. [5]

✓(b) Explain in detail the Spiral model of software development. What is the difference between Spiral and Waterfall model of software development? [5]

Q3. (a) Explain in detail the following processes used with an example for each:

- i. Feasibility Study.
- ii. Requirement Elicitation. [7]

(b) Discuss briefly the following requirement elicitation techniques with an example for each:

- i. Facilitated Application Specification technique (FAST).
- ii. Brainstorming. [3]

*End of Paper*

$$h^2 \left( \frac{1}{N} \epsilon_j d^2 - \left( \frac{1}{N} \epsilon_j d \right)^2 \right)$$