# SE202.3: Software Engineering

# (Model Paper)

Instructions: **Answer Part A and four any other questions from Part B**

Duration: **Three Hours**

**Read the paper first; understand the mark distribution, then answer.**

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## Part A (MCQ: 20 x 1 = 20 Marks)

1. Which of the following life cycle model can be chosen if the development team has less experience on similar projects?

    I. Spiral

   II. Waterfall

  III. RAD

  IV. Iterative Enhancement Model

(There will be 20 questions just like the above: Read all before answering)

## Part B (20 x 4 = 80 Marks)

1. A scenario where you have to play a project manager/software architect/business analyst/etc. Select one of those roles and discuss how you can use SE concepts.

   **Hint**: Discuss the methodologies, testing strategies, risk management, requirement analysis, tools and technologies, scope, time, etc.

   **(20 Marks)**

2. The second question is about Software. Every SE should be able to answer this.

   **(20 Marks)**

3. You need to remember "Software Development Process Models" and their advantages and disadvantages. You should also be able to compare (similarities) and contrast (differences) those models.

   **(20 Marks)**

4. Risk management plays a huge role in software project management. You need to understand risks and processes.

   **(20 Marks)**

5. Testing is the process of executing a program with the intention of finding errors. Remember different testing strategies, scope, time, functional and non-functional testing, UI testing etc. **Hint**: Refer Pearson workshop exercises

   **(20 Marks)**