**Full Marks:   30**                                                                              **Time: 45 Minutes**

### *Attempt all the questions*

1. "*SRS does not focus on 'How' but focuses on 'What' and 'Who'.*" – justify this statement.

   [7]

2. What is "*Requirement Traceability Matrix*" and why it is important?

   [4]

3. Using four bulleted points, identify any four software development best practices that the XP (Extreme Programming) model advocates to take to the extreme.

   [4]

4. Develop a UML class diagram to represent the following: "*A cricket team has 11 players. One of them is the captain. A player can play only for one Team.  The captain leads the team members.*"

   [7]

5. Identify the inconsistency, anomalies, and incompleteness in the following requirements of an academic activity automation software of an educational institute:

   Requirement: The semester performance of each student is computed as the average academic performance for the semester. The guardians of all students having poor performance record in the semester are mailed a letter informing about the poor performance of the ward and intimating that repetition of poor performance in the subsequent semester can lead to expulsion. The extracurricular activities of a student are also graded and taken into consideration for determination of the semester performance.

   [8]