

**CSE-103 Student ID: 1705006**

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**Subject: Assignment from Book**

**Chapter no.:1**

**Section no.:1**

**Exercise no.: 26**

**26. Write each of these propositions in the form “p if and only if q” in English.**

- a) For you to get an A in this course, it is necessary and sufficient that you learn how to solve discrete mathematics problems.**
- b) If you read the newspaper every day, you will be informed, and conversely.**
- c) It rains if it is a weekend day, and it is a weekend day if it rains.**
- d) You can see the wizard only if the wizard is not in, and the wizard is not in only if you can see him.**

**SOLUTION:**

- a) You will get an A in this course if and only if you learn how to solve discrete mathematics problems.**
- b) You will be informed if and only if you read the newspaper every day.**
- c) It rains if and only if it is a weekend day.**
- d) You can see the wizard if and only if the wizard is not in.**