February 2010
Bachelor of Computer Applications (BCA) Examination
V Semester

Software Engineering

Time : 3 Hours]   [Max. Marks : 40

Note : Attempt all questions.

---

1. (a) Discuss the impact of business environment on the system.

    (b) Discuss the various techniques of System analysis.

    OR

    Exlain why is it important to follow a Software Development Life Cycle for Software Projects?

2. (a) List the various reasons for the feasibility study to be performed.

    (b) List and explain the different types of requirements.

    OR

    What are the various factors which affect the cost of the software? Why it is necessary to do their Cost Analysis?

3. Draw and explain with the help of an example a data flow diagram.

    OR

    What are the advantages and benefits of Object Oriented Design?

4. (a) Define bugs, errors, faults and failures.

    (b) Differentiate between Verification and Validation.

    OR

    Why is Software Quality Assurance an important step in the s/w development life cycle?

5. (a) What are the various steps followed for System Implementation?

    (b) List and explain the different types of Maintenance.

    OR

    Discuss the role of proper hardware selection in the success of the software.

❑ ❑ ❑