NOTE: 1) Diagrams should be Neat and labeled.
          2) All Questions are compulsory.
          3) Figures to the right indicate marks.

Q. 1 Attempt any four   **(20)**
     a. Explain the following terms
          1. Return on Investment
          2. Intangible benefits
     b. What do you mean by Team Structure?
     c. Explain component based software.
     d. Explain Project monitoring plan.
     e. Explain the approaches of Software system development.
     f. Explain Risk management.
     g. Explain structured approach of system development.
     h. Explain Spiral model with its advantages and disadvantages.

Q. 2 Attempt any four   **(20)**
     a. Explain data dictionary.
     b. Explain Event Table.
     c. Explain characteristics of SRS.
     d. What do you mean by Stakeholders?
     e. Write a short note on onsite observation.
     f. Explain structured walkthroughs.
     g. Explain Structured English with Example.
     h. Explain Sequence diagram using suitable example.

Q. 3 Attempt any four   **(20)**
     a. What is Verification and Validation model?
     b. Explain characteristics of successful user interface.
     c. What do you mean by Testing? Explain alpha and beta testing?
     d. Explain Black box testing.
     e. Explain component diagram with example. Explain following terms
          1. Inspection 2. Review   3. Walkthrough
     f. Explain information hiding.
     g. Explain Structured Chart with example.
     h. Explain internal documentation.

Q. 4 Attempt any three   **(15)**
     a. Explain Object diagram using suitable example.
     b. Explain Event Table.
     c. Explain Iterative model with its advantages and disadvantages.
     d. Write short note on "Gantt chart as scheduling technique".
     e. Explain problem partitioning.
     f. Explain System documentation and User documentation.