**QUESTION & ANSWERS**

**UNIT-I**

**Each question carries 2 marks.**

1. Explain about OOD Techniques. [CO1][L1]
2. Draw a diagram illustrating software design techniques. [CO1][L2]
3. Explain the term ‘phase contaminant error . [CO1][L1]
4. Draw a diagram illustrating computer systems engineering. [CO1][L2]

5. What is a structured program, and what practices are used to ensure it follows structured programming principles? [CO1][L1]

6. Why is the number 7 considered as a magic number in software[CO1][L1]

engineering? How is it useful software engineering? [CO1][L1]

7. Explain the terms phase entry and phase exit. [CO1][L1]

8. What is phase overlapping? [CO1][L1]

9. List and explain the steps involved in prototype development in the prototyping model. [CO1][L1]

10.Explain the characteristics of how an appropriate life cycle model can be selected for a project. [CO1][L1]

**UNIT-II**

**Each question carries 2 marks.**

1. What are the job responsibilities of a Software Project Manager? [CO2][L1]

2. What are the various activities for planning a project ? [CO2][L1]

3. Briefly explain the sliding window protocol in project planning. [CO2][L1]

4. List the organization of the Software Project Management Plan (SPMP) document. [CO2][L1]

5. Explain the steps involved in Function Point (FP) metric computation.

[CO2][L1]

6. Explain the different project estimation techniques. [CO2][L1]

7. Explain the three basic classes of software development projects. [CO2][L1]

8. Estimate the development effort for the three classes of software products using a graph. [CO2][L1]

9. In the context of software configuration management, what is change control board (CCB) and what is its role in software configuration management? [CO2][L1]

10.Who is a good software engineer for staffing? What are the ratios given by Sackman for coding and debugging hours for a programmer?

[CO2][L1]