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B.Tech. CSE (Sem. – 5th)

SYSTEM ANALYSIS AND DESIGN

Subject Code: CS – 301

Important Questions from PTU Question Papers:-

2 Mark Questions:-

- 1) Define a system?
- 2) Define prototyping.
- 3) What is module coupling?
- 4) Define module cohesion.
- 5) What is quality control?
- 6) What is the use of DFD?
- 7) Define audit trail.
- 8) What is the importance of feasibility study?
- 9) What is the role of System Analyst?
- 10) What is process design?
- 11) Define the term Data Dictionary.
- 12) What are the advantages of Top-Down design?
- 13) Define Real Time System and its properties?
- 14) What is data modeling?
- 15) What is the use of Documentation?

5 Mark Questions:-

- 1) Discuss different tools and techniques used for Cost-Benefit and analysis?
- 2) Explain the various fact gathering techniques.

- 3) Distinguish between Manual and Automated Systems.
- 4) Distinguish between systems flow charts and structured charts.
- 5) Discuss the various types of Threats to computer system.
- 6) Explain the role and need of System Analyst.
- 7) Explain the characteristics of a system.
- 8) Discuss the reasons for improvement using object oriented design.
- 9) Discuss the objectives of modular software design? What are the effects of modular cohesion?
- 10) List the important features of input/output forms design.

10 Mark Questions:-

- 1) Describe the various phases of System Development Life Cycle.
- 2) What is structured analysis? Explain in detail the Data Flow Diagram as a tool in structured analysis.
- 3) a) Discuss different types of threats to computer system and control measures which are applied to deal them?
b) List and explain different methods applied for system evaluation and performance?
- 4) Differentiate the following :
 - a) Alpha testing & Beta testing
 - b) White box testing & Black box testing
 - c) Logical and Physical design