

# Tilak Maharashtra Vidyapeeth

## Internal Assignments

Course: BCA 1<sup>st</sup> year 2<sup>nd</sup> semester  
Subject: System Analysis and Design  
Code: Code- 44206  
Marks: 60 Marks

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### Assignment no: 1

**20 marks**

1. Describe the various elements of the system.
2. Explain characteristics of a system.
3. Define the following terms
  - a. Open System.
  - b. Closed System
  - c. Probabilistic System.
  - d. Deterministic System
4. Explain the role of System Analyst
5. Define Software Engineering? Explain characteristics of Software.

### Assignment no: 2

**20 marks**

6. Explain the qualities of Software.
7. Explain the SDLC.
8. Explain the fact finding techniques.
9. Explain the Feasibility study in details
10. What is Structured Analysis?

### Assignment no: 3

**20 marks**

11. Explain the terms
  - a. Decision Trees
  - b. Decision Tables
  - c. Data Dictionary
12. Explain some precautions taken while designing input/output forms.
13. Short Notes: -
  - a. File Structure.
  - b. File Organization.
  - c. Role of Database Administrator.
14. What is mean by system maintenance?
15. What is system testing & Explain the quality assurance?