

Roll No. ....

**12086**

**MBA 2 Year 4th Semester**

**Examination – May, 2019**

**SYSTEM ANALYSIS & DESIGN**

**Paper : 17IMG24GT1**

*Time : Three Hours ]*

*[ Maximum Marks : 80*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt five questions in all. Question No. 1 in Section – A is compulsory. Attempt four questions from Section – B selecting one question from each Unit.*

**SECTION – A**

1. (a) What is data dictionary ?
- (b) What is design documentation ?
- (c) How integration testing is different from system testing ?
- (d) How testing is different from debugging ?
- (e) What is social feasibility ?
- (f) List various characteristics of a system.

12086- 400 -(P-3)(Q-9)(19)

P. T. C

- (g) State the role of system analyst.  
(h) Why is training of system personnel necessary ?

### SECTION – B

#### UNIT – I

2. Explain different types of CASE tools used by a System Analyst in different phases of software life cycle.
3. Explain various types of Feasibility study required to be performed during the designing of system. Distinguish between technical and economic feasibility studies.

#### UNIT – II

4. Why is information gathering an important step of SDLC ? Explain various information gathering techniques with their merits and demerits. Explain the use of interviews as an information gathering technique.
5. What is SDLC ? Explain various phases of SDLC.

#### UNIT – III

6. What is system design ? Explain various System Design Principles. List various stages of system design.
7. List various system maintenance methods. State the role of maintenance in System Development Life Cycle. Describe post implementation maintenance process.

#### UNIT – IV

8. What do you understand by a client-server system? Give an example of a client-server system. What are the advantages of a client server system ?
  9. (a) Discuss different challenges in designing distributed systems.  
(b) What is the difference between peer-to-peer system and client-server system network ?
-