

**PARUL UNIVERSITY**  
**FACULTY OF MANAGEMENT**  
**MBA, Winter 2017 - 18 Examination**

**Semester: 3**  
**Subject Code: 06205203**  
**Subject Name: System Analysis & Design**

**Date: 04/01/2018**  
**Time: 2.00 pm to 4.30 pm**  
**Total Marks: 60**

**Instructions**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Do as Directed.****A).Multiple choice type questions/Fill in the blanks. (Each of 1 mark)****(05)**

1. The role of a system analyst drawing up a requirements specification is similar to
 

a) architect designing a building	c) a structural engineer designing a building
b) a contractor constructing a building	d) the workers who construct a building
2. By metadata we mean
 

a) very large data	c) data about data
b) data dictionary	d) meaningful data
3. Errors occur more often when
 

a) data is entered by users	c) data is entered by operators
b) when data is handwritten by users and entered by an operator	d) the key board design is bad
4. Computer systems are designed by
 

a) simplifying requirements of system	c) breaking of the system into smaller self-contained co-operating subsystems
b) breaking up the systems into independent parts	d) Modular design
5. A computer-based information system
 

a) may require some tasks to be done	c) should not have any manual tasks
b) is always fully automated	d) may use only computers

**B).Define the following. (Each of 1 mark)****(05)**

1. Economic feasibility
2. Cohesion
3. Decomposition
4. Coupling
5. Dialogue Diagramming

**C).Direct questions. (Each of 1 mark)****(05)**

1. List down the common activities of a Project Manager.
2. List down the 4 types of tests.
3. What is corrective maintenance?
4. What are different types of traditional methods for determining requirements?
5. Explain Gap Analysis.

**Q.2 Answer the following questions.****A).What do you mean by SDLC? Describe the different phases of SDLC?****(07)****B).What is Data-flow diagram? Explain the use of data-flow diagrams as an analysis tools.****(08)****Q.3 Answer the following questions.****A). What is testing? Explain in detail any four types of testing techniques.****(07)****B). What do you understand by Installation? List out all strategies for installation and explain any two in detail.****(08)****Q.4 Attempt any two questions. (Each of 7.5 mark)****(15)**

1. What are System Requirements? Explain Traditional Methods for Determining System Requirements.

2. Explain Conceptual Data Modelling and the E-R Model.
3. Describe the structured walkthrough process. What roles need to be performed during a walkthrough?
4. Explain when to use different types of file organizations to store computer files.