



---

### End Term Examination (December 2019)

**School:** School of Engineering

**Program:** B.Tech Computer Engineering

**Course:** Management Information System

**Course Code:** GID146

**Semester:** V

**Max Marks:** 40

**Duration (mins) :** 90

---

**Q 1. Answer any FIVE questions.**

**(Each question carries 2 marks)**

**[10]**

- a) What is Management Information System?
- b) What is system analysis and system design?
- c) What are data collection techniques?
- d) What is role of system analyst?
- e) What is multivalued and derived attributes?
- f) Draw Bus and Star topology.
- g) What is cyclomatic complexity with example?

**Q 2. Answer any TWO questions.**

**(Each question carries 5 marks)**

**[10]**

- a) What is System? Explain System Element Diagram
- b) What is Data Flow Diagram? Draw 0 level and 1 level DFD for Online Shopping.
- c) Explain System Development Life Cycle (SDLC).

**Q.3 Answer any TWO questions.**

**(Each question carries 5 marks)**

**[10]**

- a) Explain Decision Support System (DSS).
- b) What is the difference between DBMS, ODBMS and RDBMS?
- c) Explain one to one, one to many and many to many relationship of E-R diagram with example.
- d) Explain types of Cyber Crimes.

**Q.4 What is Testing and Test Plan? Explain Different types of Testing.**

**[10]**

**\*\*\***