

Q-1 A) Discuss the system analysis and design life cycle (SDLC) phases with example 14

Q-2 A) Explain types of Information Systems with a Diagram and example.

OR

**Q-2 B) What is Expert Systems and how do they help in decision making?
Can you give an example to illustrate the same? 14**

Q-3 A) Explain the following: (Any 2) 14
 1. Herbert Simons Model
 2. Geographical Information System
 3. Operating Systems of Android

OR

Q-3 B) What do you mean by Network? Explain types of Network topology. 14

**Q-4 A) How do you use Database to improve business performance and decision making?
Explain with an example. 14**

OR

Q-4 B) Explain the following: 14
 1. Management Issues in MIS
 2. Quality Assurance

**Q-5 A) Explain why determining the information requirement is important in development
of MIS. 14**
 Explain with an example.

