

B3.1-R4: MANAGEMENT FUNDAMENTALS AND INFORMATION SYSTEMS

NOTE:

1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time: 3 Hours

Total Marks: 100

1.
 - a) Describe the relationship between TPS, MIS, DSS, and ESS.
 - b) Explain the concept of Business Process Reengineering (BPR).
 - c) Explain how Rapid Application Development (RAD) is different from Joint Application Development (JAD) method.
 - d) Explain how encryption protects information.
 - e) "Planning is looking ahead and controlling is looking back." Comment.
 - f) What is span of control?
 - g) Explain the concept of cyber crime.

(7x4)

2.
 - a) Explain why the testing stage of system development is so important. Further discuss various stages of testing for an information system.
 - b) Explain how supply chain management systems help reduce the bullwhip effect and how they provide value to the business.

(9+9)

3.
 - a) What is the connection between organizations, information systems, and business processes?
 - b) Discuss four strategies for system conversion that can be employed in the process of changing from old system to new system.

(8+10)

4.
 - a) If you were a manager, would you decentralize authority? State several reasons for your answer. How would you make sure that you did not decentralize too much?
 - b) Discuss general guidelines that can be used to review the input and output controls for any computer application that may be used in an organization.

(9+9)

5.
 - a) Explain the role of information systems in improving marketing and sales function of an organization. Give examples to support your answer.
 - b) How will you ensure quality of the software being developed?

(10+8)

6.
 - a) What are enterprise systems? What are the benefits of enterprise systems? What are the challenges of enterprise systems?
 - b) "You can not motivate managers. They are self-propelled. You just need to get out of their way if you really want performance." Comment.

(10+8)

7. What are the potential threats to an information system of an organization? Discuss various tools and technologies to safeguard information system from these threats.

(18)