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) What is information security ? Explain the principles of Information security.

    (b) Differentiate between Accounts Receivable System and Accounts Payable System.

    (c) Explain the statement : "Planning is looking ahead and controlling is looking back."

    (d) What is Herzberg Theory of motivation ? Name any two factors each in Hygiene category and in motivating category of motivation factors of Herzberg Theory.

    (e) Explain the terms : Risk, Vulnerability and Threat.

    (f) An organisation is planning to enter into a highway road infrastructure project. You are required to write one consideration point in each dimension of SWOT analysis about this project.

    (g) Briefly explain the need of Business Process Reengineering.

    (7x4)

2. (a) What is CRM ? Why companies adopt CRM as an important tool of management ?

    (b) Explain the advantages of expert system in an organization.

    (c) Explain objectives and characteristics of Management information system.

    (6+6+6)

3. (a) Explain and distinguish open system and closed system. Also give one example of each.

    (b) What is feed forward control ? Explain its mechanism with an example.

    (c) Differentiate between deterministic and probabilistic systems.

    (6+6+6)

4. (a) Explain various roles of the Human Resource Information Systems in managing various HR activities in an organization.

    (b) Define application controls and describe each type of application control with examples.

    (9+9)

5. (a) Explain the terms : System Architecture, System Quality and System Testing.

(b) Why is there a need for an organisation to convert an old system to a new system ? Differentiate between various information systems conversion strategies.

(9+9)

6. (a) Assume that you are working as a Quality control manager in a firm. Suggest what step you would like to take to ensure better quality of software developed in the firm.

(b) Explain various system development life cycle stages in detail.

(c) "Power comes along with authority". Do you agree with this statement ? Support your answer with relevant reasons.

(9+5+4)

7. (a) Explain the concept of agile software development. How is this different from other methods of software development ?

(b) What do you mean by Office Automation ? Explain the features of Office Automation System.

(9+9)

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