Sl. No.

B3.1-R4 : MANAGEMENT FUNDAMENTALS AND INFORMATION SYSTEM

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) Explain how SWOT analysis can be carried out for a small business.
   (b) What is ethical hacking ?
   (c) Explain SAP as an ERP system.
   (d) What is encryption ? How does it ensure the data security ?
   (e) Differentiate between Deterministic Systems and Probabilistic Systems with the help of an example.
   (f) Describe the five drivers of Supply Chain Management (SCM).
   (g) Emphasis the need of White box testing. **(7x4)**

2. (a) Discuss various management functions that comprise the P-O-L-C framework.
   (b) What is the role of Controlling in an organisation ? How is Controlling different from Planning ? **(9+9)**

3. (a) Describe the important functions of Marketing Information System (MIS).
   (b) What is the need of Human Resource Information System (HRIS) in an organisation ? **(9+9)**

4. (a) Elaborate the benefits of Enterprise Resource Planning (ERP) Systems.
   (b) Explain why three 'C's in Business Process Re-engineering (BPR) are important to run a complex business. **(9+9)**

5. (a) Describe the cyclical process of Rapid Application Development (RAD) SDLC.
   (b) How is RAD SDLC model different from Waterfall SDLC model ? **(9+9)**

6. (a) Elucidate the different approaches of information security.
   (b) Differentiate between top-down approach and the bottom-up approach of information security. **(9+9)**

7. (a) Draw a control framework for Computer-Based Information Systems (CBIS).
   (b) Explain various tasks performed by an Operating System (OS). Recognize the need of operating system control. Discuss the various security components of an OS. **(9+9)**

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