Sl. No.

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.**

Total Time : 3 Hours   **Total Marks : 100**

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1. (a) Why it has become necessary to control Information System ?

(b) What are the goals of Supply Chain Management ? Explain its requirements and scope.

(c) Elucidate the importance of SWOT analysis ? How it helps an organization ?

(d) Explain Decision Support System.

(e) Enumerate the situations when to use the Rapid Application Development model.

(f) What is difference between viruses and malware ? What is Virus Trojan and worm ?

(g) Discuss the importance of an Efficient Information System for an organization.

(7x4)

2. (a) ABC is a leading company in the field of Software Development. It is committed to follow System Development Life Cycle (SDLC) with best practices for its various activities. As a part of System Development team, System Analyst prepares a document called "System Requirement Specification" (SRS) for smooth functioning of various activities. But still many times the organization fails to achieve System Development Objectives. According to you what would be the reasons. Discuss.

(b) What are Group Decision Support Systems (GDSS) ? List down the factors on which the success of GDSS depends ?

(c) Why Strategic Planning is important to a Business ?

(6+6+6)

3. (a) "Motivating employees can lead to increased productivity and allow an organization to achieve higher levels of output". In the light of above statement, discuss various motivational strategies in business.

(b) Explain major types of management functions in organizations and how managers can be grouped on the basis of organizational levels.

(c) Define Human Resources Information Systems (HRIS). What are the benefits of effective HRIS ?

(6+6+6)

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4. (a) Today, every organization is using computer, server and ERP for accounting, management and administration. So, it has become very necessary to control the information system. In relation to the above statement explain various Information System Control Techniques that are needed to be incorporated for safety of organization's assets.

(b) Explain Computer Frauds and Strategies to prevent them in any Business Organization.

(12+6)

5. (a) What is RAD prototype ? Give the difference between Agile Application Development (AAD) methodology and RAD. Identify the situations when AAD is most appropriate and least appropriate to use.

(b) Differentiate between:-

(i) Deterministic and Probabilistic systems.

(ii) Open and Closed systems.

(iii) Physical and Abstract systems.

(6+12)

6. (a) What does CRM stand for ? What are the benefits of CRM for business ?

(b) Suppose you are doing testing on a web application of a University and in this web application there are many modules like Teacher Module, Staff Module, Parent Module, Student Module and Admin Module and so on. Now you have to do System Testing on a web application of a school. What would be your criterion for doing System Testing ?

(9+9)

7. (a) What do you understand by Cyber Crime ? How can it damage the reputation of one's business ?

(b) Enumerate the two main driving forces behind ERP ? What are the risks involved in ERP implementation ?

(6+12)

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