

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) What are Software Configuration Management (SCM) goals, requirements and scope ?
 - (b) Elucidate key objectives of performance appraisal. How it benefits an organization ?
 - (c) Why it has become necessary to control Information System ?
 - (d) Explain Group Decision Support System.
 - (e) Identify the situations when it is most appropriate and least appropriate to use Rapid Application Development (RAD) technology.
 - (f) Why do people create viruses and malware?
 - (g) Discuss the importance of an Efficient Information System for an organization. **(7×4)**

2.
 - (a) XYZ 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). Considering the above statement, what must be the contents of SRS for typical software development ?
 - (b) Define Transaction Processing System (TPS). List out the salient features of TPS.
 - (c) Discuss the significance of planning for an organization in achieving its goals. **(6+6+6)**

3.
 - (a) “To motivate employees is an important managerial skill.” In the light of above statement, discuss how motivation is related to productivity of organization. Discuss various motivational strategies in business.
 - (b) Describe the different levels of management and explain the information required at these different levels.
 - (c) “MIS assist managers at different levels to take decisions and achieve the organization’s goals.” Justify how MIS is the greatest tool for managers in decision making in business. **(6+6+6)**

4. (a) Discuss the relevance of computer applications in different areas of management.
- (b) What is Executive Information System ? Explain its characteristics, capabilities and benefits. Give differences between DSS, MIS and EIS. **(9+9)**
5. (a) Discuss the objectives of Business Process Re-engineering (BPR). Give an example of BPR Application in detail.
- (b) Differentiate between:-
- (i) Deterministic and Probabilistic systems.
- (ii) Open and Closed systems.
- (iii) Physical and Abstract systems. **(9+9)**
6. (a) What is your approach when requirements of client change continuously ? Which software development technology you would use in such cases ? Discuss the characteristics of an Agile Tester. Write about three main roles in Scrum.
- (b) Suppose you are doing testing on a web application of a college and in this web application there are many modules for Teacher, Staff, Parent, Student, and Administrator and so on. Now if you have to perform System Testing on this web application, what would be your criteria for doing System Testing ? **(9+9)**
7. (a) "Cyber Crimes can damage reputation, morale and even the existence of an organization." What are the various threats do you think that any organization can face due to cyber-crimes ?
- (b) Enumerate the two main driving forces behind ERP. Elucidate the components, advantages and disadvantages of ERP model. What are the risks involved in ERP implementations ? **(9+9)**
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