

system of the bank. They observed that there were computer-based systems for transaction processing, operational reports, and control reports. There was, however, no systematic information system to support strategic management. The two executives formed a task group to develop an executive information system (EIS) to support top level strategic management.

Questions :

- (a) What are the information requirements for a strategic management information system ?
- (b) What hardware and software support might be used to develop the system and operate it ?
- (c) What alternatives would you suggest to the two executives in terms of how they might use the system ?

Q.XIII Compare the contingencies affecting project risk with the contingencies affecting choice of a system development strategy.

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M.B.A. (IVth Sem.) (P.T.) Examination-2010

M.I.S.

Paper -P-403

Time Allowed : Three Hours

Maximum Marks : 70

Note : Attempt four out of eight questions from section A. Each question carries 7 marks.

Attempt 3 out of 5 from section B. Each question carries 14 marks

Section-A

- Q I What are the advantages of selecting a software package over designing a complete system in house ? What are its draw backs ?
- Q II Explain how the concept of system stress can assist an analyst in deciding where to concentrate systems analysis activities.
- Q III Explain the following terms—
 - (a) Audit trail
 - (b) Batch processing
 - (c) Transaction
 - (d) Turn around document

- Q.IV Describe the advantages and disadvantages of distributed computing.
- Q.V "Information processing for decision support will differ depending on whether the decision is structured or unstructured." Explain whether this statement is true or false. Choose one structured decision and one unstructured decision to illustrate your explanation.
- Q.VI Personal computers allow individual in an organization to have private files and private systems. Discuss the advantages and disadvantages of this trend
- Q.VII Explain a relational database organization. Why is it favored for ad-hoc queries? Why is it not used for all databases?
- Q.VIII What is the objective function for a decision? State an objective function for each of the following decisions—
- To introduce new product
 - To increase advertising
 - To replace unsafe machines
 - to buy a new automobile for personal use

Section-D

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- Q.IX Given our understanding of managerial activities, how can computer based information systems best be utilized to improve managerial performance?

- Q.X Read the following case carefully and answer the questions below—

It is sometimes a puzzle to the casual observer why the Russian economy can put complex rockets into space but has difficulty in producing acceptable consumer products. Each factory is given a production quota and instructed as to the suppliers of inputs to the production process. If a shipment of material is defective, it cannot be rejected and another supplier is demanded. A report must be filed with a government bureau that investigates and makes a decision.

Questions :

- What requirements does the system impose for communication to support tight coupling?
 - Each subsystem can be operating as instructed, yet the results will not be acceptable to the consumer. Explain this in terms of systems theory.
- Q.XI Analyse the potential organizational power of information systems for—
- A university administrative information system.
 - A bank with online terminals and cash machines.
- Q.XII Read the following case and answer the questions below—
- The Chairman and the President of a large regional banking system were frustrated with the information