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**MS-54**

**MANAGEMENT PROGRAMME (MP)**

**Term-End Examination**

**June, 2023**

**MS-54 : MANAGEMENT INFORMATION SYSTEMS**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) *Answer any **five** questions.*

(ii) *All questions carry equal marks.*

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1. “Because organizations are made up of individuals, it makes sense to build information system that facilitate individual decision-making, wherever possible.” Explain, in view of statement, rational individual models of decision-making.
2. Describe the major steps in implementation of MIS design. Are they overlapping or exclusive ? Explain.

**P. T. O.**

3. “Expert systems are proving useful in practically every area.” Explain the benefits of expert systems. Also, explain how expert systems can be used for decision-making.
4. “Normalization is a formal method that attempts to solve the problem of update anomalies.” Explain the effect of normalization on database storage and database performance.
5. What do you understand by computer virus ? Explain the main characteristics of computer virus. Also, explain the areas which get infected by computer virus.
6. Explain, in detail, the various types of electronic signals.
7. Write notes on any *three* of the following :
  - (a) Types of information systems
  - (b) Problems of Real-time scheduling
  - (c) Multi-vendor Network
  - (d) Embedded SQL
  - (e) The computer and the society