

MICS

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Total No. of Questions—7]

[Total No. of Printed Pages—3

Time Allowed—3 Hours

Maximum Marks—100

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Answers to questions are to be given only in English except in the case of candidates who have opted for Hindi medium. If a candidate who has not opted for Hindi medium, answers in Hindi, his answers in Hindi will not be valued.

Question No. 1 is compulsory. Answer any **four** questions from remaining **six** questions.

Marks

- 12
13
12
12
11
10
1. (a) ✓ Discuss various issues that are of primary concern for an auditor involved in Information System Audit. 8 4
 - (b) ✓ Describe the composition and powers of Cyber Regulatory Appellate Tribunal. 4 3
 - (c) ✓ Recently you have received a report from your bank client that money from one account has been unauthorisedly transferred to another account by stealing the login information of a client through internet. How will you stop the recurrence of such events? 8 5
 2. (a) ✓ What is Payroll accounting? Describe in brief the inputs and master file, output and system flow diagram required for it. 10
 - (b) State main objectives of system development tools. Briefly describe the major categories of documentation tools that are used for system development with any one simple illustrative example for each. 10
 3. (a) ✓ What is Financial decision making? Which Financial decisions are made with the help of Financial information system? 10 7
 - (b) ✓ Discuss the functions and facilities provided by Treasury Cash Management module of an ERP package. 5 2
 - (c) ✓ Discuss the main provisions provided in Information Technology Act, 2000 to facilitate E-governance. 5 4

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4. (a) Discuss in brief salient features of consideration while selecting a computer system. Also suggest contents in a point scoring table for evaluation of a ready to use software. 10
- (b) What control techniques can be utilised for increasing security in a client-server model? 5
- (c) What are the characteristics of good coding scheme for data input? 5
5. (a) What is Executive Information System (EIS)? How does EIS differ from Traditional Information Systems? 5
- (b) Define and differentiate between 'Scheduled maintenance' and 'Rescue maintenance' alongwith their respective benefits. 5
- (c) XYZ company engaged in manufacturing and installing power plant equipments has installed a new MIS and you have been requested to evaluate its effectiveness. On what parameters would you evaluate the MIS system? 10
6. (a) What is 'Disaster Recovery Plan'? Discuss its various components. 10
- (b) Persian Paints is a small but highly regarded paint manufacturing company. The company has a network in place linking many of its business operations. Though the firm believes that its security is adequate, the recent addition of a Web site has become an open imitation to hawkers. Management requested a risk assessment. The risk assessment identified a number of potential exposures. These exposures, their associated probabilities and average losses are summarised in the following table : 10

Persian Paints Risk Assessment

Exposure	Probability of Occurrence (%)	Annual Average Loss (Rs.)
1. Virus attack	60	75,000
2. Data Loss	12	70,000
3. Embezzlement	3	30,000
4. User Errors	95	25,000
5. Threats from Hackers	95	90,000
6. Improper use by Employees	5	5,000
7. Power Failure	15	3,00,000

(3)

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Marks

Using the above risk assessment data, calculate the expected annual loss for each exposure. Which control points have the greatest vulnerability and Least vulnerability? Prepare a written report that summarises your findings and recommendations.

7. Write short notes on the following :

4×5=20

- (a) Encryption techniques. 3
- (b) Testing work benches 3
- (c) Audit trail controls in Computer Based Information System (CBIS) 3
- (d) Expert systems. 3

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