

PAPER – 6 : MANAGEMENT INFORMATION AND CONTROL SYSTEMS

MICS-3

Answer **all** questions.

Each question carries 20 marks.

Marks

- 1)
- a) What is the significance of input validation control? Describe briefly three different levels of input validation controls used in computerised environment. 7
- b) Define the following computer fraud and abuse techniques :
- i) Hacking
- ii) Logic time bomb
- iii) Piggy backing
- iv) Spamming
- v) Data diddling 1x5=5
- c) Describe the various software tools used in decision support systems. 8
- 2)
- a) Describe various concurrent audit techniques. 10
- b) Preparation of RFP 5
- c) What is a data flow diagram[DFD]? Give an example of DFD. 5
- 3)
- a) Differentiate between the following :
- i) Sub system and Supra system
- ii) Boundary and System environment 5
- b) New information systems led to a gap between the need to protect a system and the degree of protection applied. Explain the causes of this gap. 7
- c) Explain different activities involved in conversion from manual system to computerised system. 8
- 4)
- a) What is a data dictionary? What are its uses? 5

- b) Why is personnel training important for the successful implementation of information system ? 5
- c) What kinds of controls can be incorporated in the system to make frauds difficult to perpetrate? 5
- d) Explain internet frauds. 5
- 5) Write short notes on the following :
- a) Core principles of information security
 - b) Transaction logs
 - c) Encryption
 - d) Testing workbench 4x5=20

😊 All the best 😊

SUGGESTED ANSWERS / HINTS

1)

- a) Chap -14 What is the significance of input validation control? Describe briefly three different levels of input validation controls used in computerised environment. 7
- b) Chap -15 Define the following computer fraud and abuse techniques :
- i) Hacking
 - ii) Logic time bomb
 - iii) Piggy backing
 - iv) Spamming
 - v) Data diddling 1x5=5
- c) Chap -5 Describe the various software tools used in decision support systems. 8

2)

- a) Chap-17 Describe various concurrent audit techniques. 10
- b) Chap -9 Preparation of RFP 5
- c) Chap -7 What is a data flow diagram[DFD]? Give an example of DFD. 5

3)

- a) Differentiate between the following :chap -1
- i) Sub system and Supra system
 - ii) Boundary and System environment 5
- b) Chap -18 New information systems led to a gap between the need to protect a system and the degree of protection applied. Explain the causes of this gap. 7
- c) Chap -10 Explain different activities involved in conversion from manual system to computerised system. 8

4)

- a) Chap -7 What is a data dictionary? What are its uses? 5
- b) Chap -10 Why is personnel training important for the successful implementation of information system ? 5
- c) Chap -15 What kinds of controls can be incorporated in the system to make frauds difficult to perpetrate? 5
- d) Chap -15 Explain internet frauds. 5

- 5) Write short notes on the following :
- a) Chap -18 Core principles of information security
 - b) Chap -13 Transaction logs
 - c) Chap -13 Encryption
 - d) Chap -19 Testing workbench

4x5=20

 GOOD LUCK 

