(DMSIT 01)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper I — BASICS OF INFORMATION TECHNOLOGY

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE questions.

1. Explain about business and information technology.

2. Discuss about computer Hardware.

3. Give detailed description about software.

4. Explain about managing organizations.

5. Discuss about the Internet concepts.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

6. Explain about Information Technology.

7. Discuss the necessary of hardware.

8. Discuss the necessary of software.

9. Give detailed description about Data and Information.

10. Explain about Tele Communications.

11. Discuss about the WWW.

12. Explain about Extranet.

13. Write about Intranet.

SECTION C — (5 × 1 = 5 marks)

Answer ALL questions.

14. Define Data.

15. Define Information.

16. Define Extranet.

17. Define Hardware.

18. Define Software.

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(DMSIT 02)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper II — COMPUTER NETWORKS

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE questions.

1. Explain about Data Communications.

2. Discuss about Network Technologies.

3. Give detailed description on Switching.

4. Explain about services and applications in computer Networks.

5. Discuss about Security concepts.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

6. Explain about communications networks.

7. Discuss about multiple Access.

8. Explain the importance of naming in computer network.

9. Give detailed description about addressing in computer networks.

10. Explain about Routing Technologies.

11. Write about Binary Arithmatic calculation.

12. Discuss about Ip address calculation.

13. Discuss the importance of Networking.

SECTION C — (5 × 1 = 5 marks)

Answer ALL questions.

14. Define Networks.

15. Define Access.

16. Define Technology.

17. Define Communication.

18. Define Security.

wk 7

(DMSIT 03)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper III — COMPUTER ORGANISATION

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE questions.

1. Explain about performance concept in computer organization.

2. Discuss about Interconnection Techniques in computer organization.

3. Give brief description about memory devices.

4. Discuss about different operation techniques.

5. Explain the functions of a CPU.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

6. Discuss about computer evolution.

7. Discuss the importance of computer organization.

8. Explain about computer junction in computer organization.

9. Give brief description about external memory.

10. Discuss about Arithmatic operations.

11. Explain about logical operations.

12. Discuss the importance of a Central Processing Unit.

13. Explain about CPU structure.

SECTION C — (5 × 1 = 5 marks)

Answer ALL questions.

14. Define Memory.

15. Define operation.

16. Define performance.

17. Define function.

18. Define CPU.

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(DMSIT 04)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper IV — DATA STRUCTURES WITH C

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE questions.

1. Explain about Data structure concepts in "C".

2. Discuss about string processing.

3. Give in detail description about Linked Lists.

4. Explain about Trees.

5. Discuss about Sorting Techniques.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

6. Discuss about Data structure preliminaries.

7. Explain about Arrays.

8. Write short notes on Records.

9. Give briefly description about pointers.

10. Give in detailed description about stacks.

11. Discuss about Recursion.

12. Explain about Queues.

13. Discuss about Searching Techniques.

SECTION C — (5 × 1 = 5 marks)

Answer ALL the questions.

14. Define Data structure.

15. Define Array.

16. Define Queues.

17. Define Linked List.

18. Define Tree.

(DMSIT 05)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper V — OPERATING SYSTEMS

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE of the following.

1. Discuss the importance of operating systems.

2. Explain about inter process communication.

3. Give description about virtual memory.

4. Explain the importance of devices in operating systems.

5. Discuss briefly about security concepts.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE of the following.

6. Explain about different types of operating systems briefly.

7. Discuss about process management.

8. Discuss about different types of memory devices.

9. Explain about memory management.

10. Give the terms involved in file systems management.

11. Explain about management devices.

12. Discuss the importance of security in operating systems.

13. How we can secure the data using security concepts? Explain.

SECTION C — (5 × 1 = 5 marks)

Answer ALL the questions.

14. Define operating system.

15. Define process.

16. Define memory.

17. Define management.

wk 7

18. Define file.

(DMSIT 06)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.

First Year

Information Technology

Paper VI — DBMS

Time : Three hours **Maximum : 75 marks**

SECTION A — (3 × 15 = 45 marks)

Answer any THREE of the following.

1. Explain about Database concepts.

2. Discuss about Database Models.

3. Write the steps involved in Database Design.

4. Give brief description about Hierarchical Database Management Systems.

5. Explain about Relational Database Management System.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE of the following.

6. Explain the importance of Database Management Systems.

7. Discuss about Data Structure in DBMS.

8. Explain briefly about Implementation Process.

9. Write the steps involved in Implementation Design.

10. Give brief discussion about networking in Database Management Systems.

11. Explain about operating concepts in Database Management Systems.

12. Write about maintenance concepts in Database Management Systems.

13. What is meant by Hierarchy in DBMS?

SECTION C — (5 × 1 = 5 marks)

Answer ALL the questions.

14. Define Database Management Systems.

15. What is meant by Implementation?

16. Define Data structure.

17. Define Database Design.

18. Define Data Model.

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