

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Aligarh Muslim University, Aligarh

Session 2020-2021

Certificate in Information Technology

INFORMATION TECHNOLOGY

(CIT-01)

ASSIGNMENT

Total Marks: 25

Attempt any two questions.

1. What is computer? Explain all components of a computer.
2. What is Information Technology? Explain the basic components of an information system? Write notes on role on information system
3. What is storage device? Explain different type computer memory in brief.
4. What is computer software? Explain different type computer Software in brief.

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OPERATING SYSTEM

(CIT-02)

ASSIGNMENT

Total Marks: 25

Attempt any two questions.

1. Describe the file system organization; how file hierarchy manage in OS.
2. What is fragmentation, differentiate between external and internal fragmentation.
3. Write short notes on virtual memory management scheme, how is it implemented.
4. Explain thrashing, how aging controls degree of thrashing in process management scheme?
5. Explain different types of memory management scheme; differentiate between paging and demand paging?

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COMPUTER ORGANIZATION AND ARCHITECTURE

(CIT-03)

ASSIGNMENT

Total Marks: 25

Attempt any two questions.

1. What are the various Interrupts in a Microprocessor system?
2. What is Bus? Draw the single bus structure.
3. What is the program counter?
4. Classify interruptson the basis of the signal. State their differences?

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FUNDAMENTALS OF NETWORKING AND INTERNET

(CIT-04)

ASSIGNMENT

Total Marks: 25

Attempt any two questions.

1. What do you mean by computer Network? Discuss the various type of Network Criteria.
2. Define Network Topology, also explain different type of Network Topology.
3. Define switches. Discuss different types of switching.
4. Write a short notes on
 - Simplex Mode
 - Half-Duplex Mode
 - Full-Duplex Mode

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FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEM

(CIT-05)

ASSIGNMENT

Total Marks: 25

Attempt any two questions.

1. What is 3NF in the DBMS?
2. What is a CLAUSE in terms of SQL?
3. What is the different type of relationships in the DBMS?
4. What is E-R model in the DBMS?
