# CENTRE FOR DISTANCE AND ONLINE EDUCATION

**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**COMPUTER HARDWARE**
**(CCHNT-01)**
## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. What is Computer? Explain different generation of computer.

2. What is a storage device? Discuss the difference between Primary and Secondary memory.

3. Explain any four of the following:

    **(a)** Mother board

    **(b)** Compiler and Interpreter

    **(c)** System Software and Application Software

    **(d)** Trouble Shooting

    **(e)** ARP and RARP

    **(f)** Moore's Law

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# CENTRE FOR DISTANCE AND ONLINE EDUCATION
**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**ADVANCE COMPUTER HARDWARE AND INTERNET**
**(CCHNT-02)**
## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. Explain any five of the followings:

   - Difference between Web and Internet

   - URI

   - NT File System (NTFS)

   - Disk Quota

   - exFAT

   - Data Compression

2. What is Encryption? Explain how Encryption works and data compression methods.

3. Discuss the Partitions Management, virtual machines and Data Recovery.

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# CENTRE FOR DISTANCE AND ONLINE EDUCATION

**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**COMPUTER NETWORKING**
**(CCHNT-03)**
## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. What is Network Topology?

2. What is the difference between Hub, Switch, and Router?

3. What is HTTP and what port does it use?

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**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**ADVANCE COMPUTER NETWORKING**
**(CCHNT-04)**

## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. What is DNS?

2. What is a Proxy Server and how do they protect the computer network?

3. What is NIC?

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# CENTRE FOR DISTANCE AND ONLINE EDUCATION

**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**BASIC ELECTRONICS (ELECTRONIC COMPONENTS)**
**(CCHNT-05)**

## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. What is the principle of microwave?

2. Name the modulation techniques.

3. What are the advantages of ICs over discrete component circuits?

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**Aligarh Muslim University, Aligarh**
**Session 2020-2021**
**Certificate Course in Computer Hardware and Networking**
**COMPUTER FUNDAMENTALS & DIGITAL ELECTRONICS**
**(CCHNT-06)**

## ASSIGNMENT

**Total Marks: 25**

Attempt any two questions.

1. What is personal computer? Explain the following computer terms
   - RAM
   - ROM
   - CPU
   - Input/output device

2. What is Number System? Explain each types of Number System? Convert the following data into binary.
   - $(1255)_{10}$
   - $(3B17)_{16}$
   - $(3652)_{8}$

3. Explain any three of the following:
   a) Cache Performance and Cache Mapping
   b) Normalization
   c) Data Types and BCD
   d) 2's complement method

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