MS (LIS) 2021-2023 1st Semester: Paper – 5

Foundations of Information and Communication Technology (ICT)

Answer any **FIVE** questions All questions carry equal marks

Date: 7th January 2022 Total Marks: 100

Duration: 3 Hours

- 1. Discuss the development of computers highlighting landmark contributions of different persons and their implications in modern computing devices.
- 2. What is an operating system? Explain the characteristics of UNIX operating systems and illustrate its directory structure.
- 3. State the key areas of developments in communication technology? Delineate the Network topologies and which topology matches with LAN Network.
- 4. Write short notes on any TWO of the following
 - a) Comparative differences in HTML and XML
 - b) Data structure in DBMS models
 - c) Computer Display and Graphic Devices
- 5. Examine the stages of development of information society impacted with ICT. Highlight the key social and ethical issues emerged from the IT developments.
- 6. Discuss the following:
 - a) Different number systems
 - b) Need for CSS highlight it with XSL
- 7. What is a Search engine and their modes of search method? Highlight the features of Yahoo and Google.
- 8. Explain different search methods illustrate them with examples in relation to a Web search engine.
- 9. Write short notes on any TWO of the following:
 - a) Web-2.0 Concepts
 - b) Social Network Sites
 - c) Web Servers and their relationships with OS