

MS (LIS) 2022-2024
1st Semester: Paper – 5

Foundations of Information and Communication Technology (ICT)

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

Date: 28 November 2022
Duration: 3 Hours

Total Marks: 100

- ✓ 1. What do you understand by “Generations of Computers” . Explain the developments in different generations in the advent of Digital Computers ✓
2. Discuss the importance of operating system? Explain some commands of OS and the security features of UNIX and its directory structure.
- ✓ 3. What are the important areas of developments in communication technology? Highlight the features of different Network topologies ✓
- ✓ 4. Write short notes on any TWO of the following ✓
 - ✓ a) What is HTML and explain its use in Web design ✓
 - b) Importance of Character set and Different Number System
 - ✓ c) What do you understand by Web 2.0 Platforms and highlight the features of some important social networks ✓
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) Types of Networks and explain them in the context of library networking
 - b) Describe features of different Input and Output devices
- ✓ 7. Discuss the features and characteristics of Search engine. Highlight the features of some important search engines by their popularity. ✓
8. What are the different tools of World Wide Web and explain their application in the functioning of the WWW.
9. Write short notes on any TWO of the following:
 - a) Describe the characteristics of ROM and RAM
 - b) Social and Ethical Issues in the Context of IT and some IT Ethics
 - c) What is IP Address and Types of IP addresses