

**MS (LIS) – 2019-2021**  
**1<sup>st</sup> Semester Final Examination**  
**Paper – 5: Foundations of Computers and Information Technology**

Answer any **FIVE** questions. All questions carry equal marks. Total Marks: 100

Date: 15<sup>th</sup> November, 2019

Time: 10 am – 1 pm

- ✓ 1. Write Short notes on any **three** of the following.
  - a) Linux Environment variables
  - b) Data types in SQL
  - c) Redirection in Linux
  - d) Difference in the output of character-by-character & word-by-word sorting
  - e) UNICODE
2. Describe the various SQL join commands with examples
- ✓ 3. Explain in detail the syntax and various options of SQL SELECT.
4. What is regex? Explain with a few examples.
- ✓ 5. What is HTML? Describe its various tags.
6. Explain in detail DBMS and its advantages.
7. What are the advantages and disadvantages of various file formats?
- ✓ 8. Write briefly on any **three** of the following
  - a) Directory structure in Linux
  - b) tar command with examples
  - c) mount command with examples
  - d) Absolute and relative paths
  - e) Reserved words in SQL