

MS (LIS) – 2017-19
1st Semester Final Examination
Paper – 5: Foundations of Computers and Information Technology

Answer any **FIVE** questions. All questions carry equal marks. Total Marks: 60

Date:

Time: 10 am – 1 pm

- 12 1. Write Short notes on any **three** of the following. 3/4
 - a) Linux Environment variables
 - b) PostgreSQL environment variables
 - c) Data types in SQL and their upper and lower limits
 - d) Redirection in Linux
 - e) Synonyms, antonyms, homonyms, homographs, polysemy, cryptonym and pseudonym
- 12 2. Describe the various SQL join commands with examples
- 12 3. Explain in details a few important SQL commands other than join
- 12 4. Write UNIX Shell programs on any **three** of the following 3/4
 - a) Fibonacci numbers
 - b) Prime numbers
 - c) Palindromes
 - d) Print 5 arguments in a reverse order
 - e) Read your name and print a greeting with your name
- 12 5. Describe the various tags of HTML
- 12 6. Explain in detail DBMS and its advantages
- 12 7. Discuss in detail XML and its advantages
- 12 8. Write briefly on any **five** of the following 2.4/5
 - a) Difference between Interpreters and compilers
 - b) Name the various Versions of SQL
 - c) Converting decimal number to binary
 - d) computer memory sizes in increasing order
 - e) Moore's law
 - f) Names of major system directories in Linux
 - g) tar command with examples
 - h) mount command with examples