



UNIVERSITY EXAMINATIONS
THIRD YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF IN INFORMATION SCIENCE
FIRST SEMESTER 2022/2023
[SEPTEMBER-DECEMBER, 2022]

INS 331: INFORMATION ORGANIZATION, STORAGE AND RETRIEVAL

STREAM: Y3S1

TIME: 2 HOURS

DAY: TUESDAY, 900 – 11:00 AM

DATE: 06/12/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE and any other TWO questions.**

- 1a. Discuss the organization of information in an archival centre. (10marks)
- b. Explain the Boolean concept and discuss its importance in information retrieval. (10marks)
- c. Using a well labelled diagram explain the architecture of an information retrieval system. (10marks)
- 2a. Explain the evolution of storage technology e from non-intelligent internal storage to intelligent networked storage. (10marks)
- b. Explain the challenges and benefits accrued from computerized information retrieval in any organizational set up. (10marks)
3. Explain how web search engines and cloud computing work and bring out their point of convergence. (20marks)
- 4a. Using a well labelled diagram discuss the core elements essential for the basic functionality of a data centre. (12marks)
- b. Discuss the concept of storage and explain any three storage technologies. (8marks)
5. Discuss the key requirements for data centres elements. (20marks)