



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

INS 260: KNOWLEDGE TAXONOMY

STREAM: Y2S1

TIME: 2 HOURS

DAY: TUESDAY, 3:00 – 5:00 PM

DATE: 06/12/2022

INSTRUCTIONS

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

QUESTION ONE

- a) Explain the concept of knowledge taxonomy. [5marks]
- b) Explain the various ways in which knowledge is organized in organization. [10 marks]
- c) Use examples to explain how taxonomies help to achieve the following functions [12 marks]
- i. Retrieval support
 - ii. Navigational support
 - iii. Indexing support
 - iv. Organizational support
- d) What are knowledge organization systems? [3 marks]

QUESTION TWO

- a) Explain the role of each of the following taxonomy tools: [10 marks]
- i. Classification schemes
 - ii. Subject headings
- b) Explain the role of semantic networks and ontologies in organizing information [10 marks]

QUESTION THREE

- a) Distinguish between taxonomy and folksonomy. [4marks]
- b) Discuss the challenges involved in the construction and use of taxonomies [6 marks]
- c) Discuss the role of controlled vocabularies in a taxonomy structure. [10 marks]

QUESTION FOUR

- a) With reference to Dewey decimal classification (DDC), explain the role of taxonomies in knowledge organization. [10 marks]
- b) What are the challenges encountered in the creation and management of taxonomies? [10 marks]

QUESTION FIVE

You have been hired as a knowledge expert to create a knowledge map for your organization: Explain the key areas that will guide your approach towards creating an effective knowledge taxonomy.

[20 marks]