



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE

DEGREE OF BACHELOR OF INFORMATION SCIENCE

FIRST SEMESTER, 2023/2024

(AUGUST-DECEMBER, 2023)

INS 260: KNOWLEDGE TAXONOMY

STREAM: Y2S1

TIME: 2 HOURS

DAY: THURSDAY, 12.00–2:00 PM

DATE: 23/11/2023

INSTRUCTIONS

- 1) Do not write anything on this question paper.**
- 2) Answer Question ONE [Compulsory] and any other TWO Questions**

QUESTION ONE

- a) Explain the reasons that make knowledge organization systems important for Libraries and information centres [10 marks]
- b) Distinguish between subject taxonomies and business taxonomies [4 marks]
- c) Explain the role of Metadata in a taxonomy structure [8 marks]
- d) Explain the value of taxonomies in knowledge organization in libraries [8 marks]

QUESTION TWO

- a) Explain the purpose of the following taxonomy tools in a knowledge architecture; [10 marks]
 - i. Thesaurus
 - ii. Index
 - iii. Classification system
 - iv. Yellow pages
 - v. Semantic network
- b) Explain how taxonomies achieve the following: [10 marks]
 - i. Searching
 - ii. Categorization of content

iii. Standardization of content

QUESTION THREE

- a) Discuss the functions of taxonomies in an organization [10 marks]
- b) Explain how you can construct an organizational taxonomy for tacit knowledge [10 marks]

QUESTION FOUR

- a) Discuss the factors to be considered when constructing taxonomies for organizations [10 marks]
- b) Use any **two** classification systems used in libraries to show how taxonomies help to organize knowledge. [10 marks]

QUESTION FIVE

- a) What factors can one consider in organizing unstructured information for easy identification and retrieval? [10 marks]
- b) Discuss the challenges involved in the construction and use of taxonomies [6 marks]
- c) Explain any **FOUR** types of taxonomies [4 marks]