UNIVERSITY OF JOS, JOS
FACULTY OF EDUCATION
DEPARTMENT OF SOCIAL SCIENCE EDUCATION
SECOND SEMESTER EXAMINATION 2016/2017 ACADEMIC SESSION

COURSE TITLE: INFORMATION SOURCES IN SCIENCE AND TECHNOLOGY
COURSE CODE: LIS 408
CREDIT UNIT: 2
TIME ALLOWED: 2 HOURS
INSTRUCTIONS: ANSWER ANY THREE (3) QUESTIONS

1a. Define science as a branch of knowledge.
b. Enumerate six (6) branches of science.
c. Discuss in two (2) paragraphs, the major differences between pure and applied sciences.

2a. What is information?
b. Describe the relationship between data, information and knowledge.
c. List and explain briefly five (5) characteristics of information.

3a. Explain in details the differences between primary, secondary and tertiary sources of information.
b. Classify the following into either primary secondary or tertiary sources of information.
   i. Lab reports
   ii. Dictionaries
   iii. Encyclopedia
   iv. Conference papers

4a. Enumerate six (6) reference materials you would acquire for a library that offer specialized services for users in science and technology.
b. Assuming a 400l student of physics approaches you as a natural science librarian for assistance on information resources to aid his project research work, what are the information resources you would recommend to him?
c. Explain why you would use any two of the information resources you have mentioned in (4b) above.

5a. What do you understand by the term Information and Communication Technology (ICT)?
b. Discuss in 2 paragraphs how ICT has impacted access to information resources in libraries today.
c. List six (6) databases in science and technology.

Appropriate in terms of quality and coverage

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