



**CRAWFORD UNIVERSITY**  
**COLLEGE OF NATURAL AND APPLIED SCIENCES**  
**DEPARTMENT OF PHYSICAL SCIENCE**  
**INDUSTRIAL CHEMISTRY PROGRAMME**  
**HARMATTAN EXAMINATION 2022/2023**

**COURSE CODE: ICH 302**

**COURSE TITLE: Chemical Literature**

**DATE: MAY, 2023**

**UNITS: 1**

**TIME ALLOWED: 1 HR**

**INSTRUCTIONS: Answer Question any four questions**

- 1 a) List the characteristics of a good research  
b) List the characteristics of a good research topic  
c) Highlight the sources of research topics
  
- 2 a) Give a standard format of a research proposal  
b) Give the standard format for seminar reports
  
- 3(a) What is scientific writing?  
b) Briefly describe 5 types of scientific writing
  
- 4 a) Write short notes on the sources of chemical literature  
b) Highlight 3 dos and donts of scientific writing
  
- 5 a) Highlight the relevant questions a research proposal must address  
b) Give three considerations for oral presentation.
  
- 6 Write 500 words on any Chemistry related topic of your choice.

Good Luck

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