



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF RADIOGRAPHY

MSc IN MEDICAL ULTRASOUND PART 1

ETHICS AND PROFESSIONAL PRACTICE IN ULTRASOUND

SRU 5102

First Semester Examination Paper

November 2024

Time Allowed : 4 hours

Total Marks : 125

Special Requirements: None

Examiner's Name : Ms R. M. Sango Ntaisi

INSTRUCTIONS

ANSWER ALL QUESTIONS.

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
Maximum possible mark	125

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1. (a) Using relevant examples from daily clinical practice, give a comparative analysis of two ethical theories that may be used to inform ethical decisions in medical sonography. [15]
- (b) Outline the importance of on-going professional development and self-reflection in maintaining ethical practice in ultrasound. [10]
2. (a) Evaluate the ethical, legal, and clinical implications of the growing practice of non-medical ultrasound. [10]
- (b) Using examples, critically analyse the ethical considerations involved in using emergency ultrasound when resources are limited, and patient outcomes are critical. [15]
3. (a) Discuss the ethical conflicts that may arise through sharing experiences with other health professionals. [10]
- (b) Examine the impact of evidence-based practice on the development and refinement of ultrasound protocols and guidelines. [15]
4. (a) Distinguish between a sonographer's legal and ethical responsibility. [5]
- (b) Discuss the ethical conflicts that may arise through the disclosure of results by a sonographer. [10]
- (c) Recommend a departmental framework to ensure ethical practice for Intracavitary imaging techniques. [10]
5. (a) With the aid of relevant examples, outline how an ultrasound report can demonstrate professionalism in sonography practice. [10]
- (b) Justify a framework that can be put into place to ensure accountability and responsibility by ultrasonographers. [15]

END OF EXAMINATION