

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

APPLIED PHYSICS DEPARTMENT

SRA 1215 - PROFESSIONAL STUDIES

BSc HONOURS PART I: MAY 2004 DURATION: 3 HOURS

ANSWER **ALL** PARTS OF SECTION A AND ANY **THREE** IN SECTION B. SECTION A CARRIES 40 MARKS AND SECTION B CARRIES 60 MARKS

SECTION A

1. (a) Briefly explain the 4 levels of communication. [4]
- (b) Describe the records that may be kept by Health Institutions with regard to their clients and in each case outline the importance of these records. [5]
- (c) With reference to the clinical practice area, give circumstances that can be subject to legal proceedings. [4]
- (d) Name 3 professional organisations that can be joined by radiographers. In each case, explain the advantages of being a member of these organisations. [6]
- (e) (i) Define the term 'Research'. [2]
(ii) Explain the value of research in the field of medicine. [4]
(iii) Name 3 types of research approaches that can be carried out by health care professional in each case justifying the approach used. [6]
- (f) What communication difficulties may be experienced by health care workers in the practical areas and how can these difficulties be overcome. [10]

SECTION B

2. In the Health care profession, what do you consider as the impediments of effective learning. [20]
 - (a) Define the term 'reflection' outlining the various types and where each can be used by Health worker. [8]
 - (b) Justify the skills that are required by health personal for reflection to be carried out effectively. [12]

3. "Individual are never perfect, teams can be" Discuss. [20]
4. With reference to the Health Care delivery system, discuss the legal and ethical responsibilities and liabilities that Health care professional should have. [20]
5. Read the passage below and answer questions below it:
A 34 year old patient registered her pregnancy at a hospital at 17 weeks gestational age. A cervical smear was taken and this was highly suggestive of malignancy. Examination in the theatre showed a small cervical ulcer with no evidence of spread to surrounding tissues. However a biopsy taken from the edge of this ulcer confirmed a moderately differentiated squamous cell carcinoma.
- (a) What decisions should be made? [2]
 - (b) What information is required to make these decisions. [3]
 - (c) What professional judgement strategies (or aids to making judgements/decisions) could/would be useful. [4]
 - (d) Draw a decision pathway analysis diagram and indicate the factors that might affect or weight the possible parts. [5]
 - (e) What may be the restrictions and limitations on choices. [2]
 - (f) How might a consumer participate in decision making. [2]
 - (g) What risks are inherent in the decisions. [2]

- END OF PAPER -