

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

APPLIED PHYSIC DEPARTMENT

SRA 1214 - HEALTH SAFETY AT WORK AND WELFARE SERVICES

BSc HONOURS PART I: MAY 2006

DURATION 3 HOURS

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

SECTION A

- 1 (a) Compare health services in Zimbabwe before and after independence in relation to:
- i) access, (2)
 - ii) affordability, (2)
 - iii) community participation, (2)
 - iv) expenditure, (2)
 - v) acceptability. (2)
- (b) Explain the role of the following programmes in operationalising the elements of primary health care:
- i) nutrition, (2)
 - ii) safe water and sanitation, (2)
 - iii) maternal and child health, (2)
 - iv) control of endemic disease. (2)
- (c) i) Define a communicable disease and give 3 examples. (3)
- ii) What is meant by notification of a disease? Give 3 examples of notifiable diseases. (3)
- iii) Explain nosocomial infection and give examples of the most susceptible patients. (4)
- (d) State 2 issues that were intended to be addressed by the economic reform Programme in Zimbabwe. (2)
- (e) Explain the importance of the centre of gravity in relation to biomechanics. (2)

- (f) i) Describe late radiation sickness. (2)
- ii) Identify 4 hazards that a radiographer may be exposed to in the radiology department. (2)
- (g) Explain the following terms:
 - i) prophylaxis, (1)
 - ii) quarantine, (1)
 - iii) epidemic, (1)
 - iv) epidemiology, (1)

SECTION B

- 2. (a) Discuss 5 factors that have affected the sustenance of the gains of Primary Health Care in Zimbabwe. (10)
- (b) Compare and contrast 5 aspects of medical care versus health care. (10)
- 3. (a) Describe the causes of accidents in the workplace using the epidemiological triad. (10)
- (b) Explain 3 objectives of occupational health programmes. (6)
- (c) State 4 functions of an occupational health service. (4)
- 4. (a) Define welfare services and explain why such services are essential. (5)
- (b) Outline some of the criticisms leveled against universal provision of welfare services. (5)
- (c) Evaluate the effectiveness of welfare services in Zimbabwe today. (10)
- 5. (a) Describe the body's defences against disease. (10)
- (b) Discuss the principles to be adhered to in preventing the spread of infection in the hospital. (10)
- 6. (a) Discuss the feasibility of the patient's charter in the current socio-economic environment. (10)
- (b) Discuss the problems that are commonly encountered by health workers in a hospital during a major disaster. (10)

-END OF EXAMINATION-