

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

MEDICAL SCHOOL

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE
PART I SUPPLEMENTARY EXAMINATIONS

(MHO 1202) : RESPIRATORY & CARDIOVASCULAR SYSTEMS

DATE : JANUARY 2006

TIME : 3 HOURS

Instructions to Candidates

Answer **all** questions

SECTION A

1. With the aid of diagrams, describe the conducting system of the heart. (20)
2. Write short notes on the intercostal spaces. (10)
3. List 3 main openings of the diaphragm and its contents. (10)
4. Write short notes on the trachea. (10)

SECTION B

5. Using a diagram and short notes, describe the physiological control of the cardiovascular system. (25)

6. Write short notes on the following:

- a) Haldane effect. (5)
- b) Bohr effect (5)
- c) 2,3 biphosphoglycerate (5)
- d) Bohr equation. (5)
- e) laminar vein turbulent flow of gas in human airways. (5)

END OF EXAMINATION