BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCINCE AND ENGINEERING



DEPARTMENT: HEALTH SCIENCES

PROGRAMME .BACHELOR OF SCIENCE HONOURS DEGREE IN NURSING EDUCATION

COURSE CODE: NS104 (1): HUMAN ANATOMY 1

DURATION: 3 HOURS TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES

Answer all questions. Each question carries 25 marks

SECTION A:

Answer all questions .This section carries 25 marks. Circle True (T) or false (F) against each of the statements given, on the question paper.

- 1. Indicate whether the following statements are true (T) or false (F)
 - a) The dividing embryo on day 4 has 16 cells. (T) (F)
 - b) Morula enters uterus, taking up fluid becoming blastocyst at day 4 of the embryonic stage (T) (F)
 - c) The innermost layer of the primitive streak is called mesoderm (T)(F)
 - d) Ectodermal development is called neurulation in regard to nervous tissue (T)(F)
 - e) The ectoderm gives rise to the central nervous system only (T) (F)
- 2. Indicate whether the following statements are true (T) or false (F) Regarding the upper arm:
 - a) The borders of the axilla are made up of five sides (T)(F)
 - b) Brachial plexus forms the peripheral nerves of the upper limb. (T)(F)
 - c) The triangular area on the anterior view of the elbow is called the cubital fossa. (T)(F)
 - d) Bifurcates of the brachial artery near the apex of the cubital fossa forms the radial artery (superficial) and ulnar artery (deeper) (T)(F)
 - e) Pronator Teres muscle originates from the medial epicondyle

SECTION B

Answer <u>all</u> questions. Each question carries <u>25</u> marks.

- 1. a) Draw a cross section of the human eye (10 marks)
 - b) Outline any five clinical correlates of the cornea and iris (10 marks)
 - c) Explain the flow of aqueous humour (5 marks)
- 2. Describe the anatomy of:
 - a) The diaphragm (10 marks)
 b) Lungs (15 marks)
- 3. Describe the structure of the heart. (25 marks)

END OF PAPER