NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

SSC4214

FACULTY OF APPLIED SCIENCES BACHELOR OF SCIENCE HONOURS DEGREE EXAMINATIONS DEPARTMENT OF SPORTS SCIENCE AND COACHING THEORY: SSC4214: SPORTS SPECIALITY MODULE - TENNIS

MAY 2011

3 HOURS (100 MARKS)

INSTRUCTIONS

Answer 4 questions only. Each question carries 25 marks. Where a question contains subdivisions, the mark value for each subdivision is given in brackets. Illustrate your answer where appropriate with large clearly labeled diagrams.

| 1. | a) | Outline the mechanics of a slice serve and its difference from a flat serve. [10 n | | |
|----|--|--|--|---|
| | b) What are the tactical uses of a slice serve? | | | [15 marks] |
| 2. | a) | Ball control is an important skill in playing tennis. Explain why? | | |
| | b) | i) | What determines the distance, spin and speed of a ball in tennis? | [7 marks] |
| | | ii) | How can you develop these aspects in tennis? | [8 marks] |
| 3. | Outline | e the ele i) ii) | ements of the following strokes:- The Lob . The Smash. | [12 marks] [13 marks] |
| 4. | Outline | e how th i) ii) iii) iv) v) | he following can be used to improve speed for a tennis player:- Egg timer speed drill. Spider drill. Hexagon drill. Killer line sprint. Roll and catch. | [5 marks] [5 marks] [5 marks] [5 marks] [5 marks] |
| 5. | | | | [25 marks] |
| 6. | Explain how the transfer of angular momentum can be a factor to make an Open-stance ground stroke effective. | | | [25 marks] |

END OF EXAMINATION