



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF EDUCATION (PHYSICAL EDUCATION)
SPE 402: SPORTS EQUIPMENT AND FACILITIES DESIGN AND
MANAGEMENT

DATE: THURSDAY, 5TH APRIL 2012

TIME: 2.00 P.M – 4.00 P.M

INSTRUCTIONS

Answer Question 1 (Compulsory) and any other two Questions each Question in separate answer sheet.

1. Using association football (soccer) as an example, explain how the interplay of the following factors determines the design and provision of sport facilities.
 - a) Design elements [4 marks]
 - b) Public need [4 marks]
 - c) Sport rules/laws and regulations [4 marks]
 - d) Space [4 marks]
 - e) Materials [4 marks]
 - f) Durability [4 marks]
 - g) Orientation and drainage [4 marks]
2.
 - a) Justify the need for equipment improvisation in Kenya [10 marks]
 - b) Outline ways you can use to “improvise” for non-available swimming pool facility in a high school situation in Kenya? [5 marks]
 - c) Explain the challenges faced by physical education teachers and recreation managers in implementing the concept of improvisation. [5 marks]
3.
 - a) Explain the contribution of technology to the manufacture and use of sport equipment. [5 marks]
 - b) Trace the technological evolution and development of either the tennis racket or the running shoes. [10 marks]
4.
 - a) Provide any five reasons for turning sport facility into multipurpose use. [5 marks]
 - b) Explain how hockey field can be turned into a multipurpose facility. [10 marks]
 - c) Give an outline of any five challenges likely to be encountered when a hockey field is turned into a multipurpose use. [5 marks]
5. Elaborate on the role of environmental considerations in the design, construction and bidding to host mega sport events. [20 marks]