

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF SCIENCE AND ENGINEERING
DEPARTMENT: SPORTS SCIENCE
BACHELOR OF SPORTS SCIENCE AND MANAGEMENT (HBSCSSM)
SSM 222 Research Methods and Sports Analytics

DURATION: 3 HOURS

TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES

 MAR 2024

Answer **two** questions from Section A and **two** questions from Section B.

Section A

1. a. Explain the purpose of literature review in sport research. (6 marks)
b. Discuss the procedures used for thematic literature review in research and explain its importance. (14 marks)
 2. a. Explain the differences between quantitative and qualitative research and show how the two can be used in the same study and the advantages and disadvantages of mixing them (20 marks)
 3. a. What does sports analytics entail? (5 marks)
b. Explain any three aspects of sports performance that can be subjects of sports analytics and for each, explain how analysis is done. (15 marks)
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Section B.

4. The first chapter in a research proposal headed "CHAPTER ONE: THE PROBLEM AND ITS SETTING" is quite fundamental in defining the research problem. It introduces the study by presenting the research problem and discussing the contextual issues upon which it is grounded.

If the problem is properly defined, it spells chaos for the study.

You have been requested to present on the various elements of problem definition..

Task:

Prepare a paper explaining what background of study, statement of the problem, significance of study, research questions and delimitation of study entail. (30 marks)

5. As a Sports Science researcher, you are requested to make a presentation on the questionnaires, interview guides and document analysis as data collection tools focusing on their characteristics features and the circumstances under which it is appropriate for researchers to adopt these tools.

Task:

Prepare a summary of your presentation.

[30 Marks]

6. Technology has taken the world of sport by storm. It is extensively used in sports analytics.

Task:

Illustrate how Global Positioning System (GPS) analytics are used in Sport Science Research with practical examples. (30 marks)

END OF PAPER