



MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF ENGINEERING, APPLIED SCIENCES AND TECHNOLOGY

DEPARTMENT: COMPUTER SCIENCE AND INFORMATION SYSTEMS

MODULE: TECHNOVATION

CODE: INSY124

SESSIONAL EXAMINATIONS
DECEMBER-2023

DURATION: 3 HOURS

EXAMINER: MR N. MATANANA

INSTRUCTIONS

1. Each question carries **20** Marks
2. Answer Any **five (5) questions** from Section B
3. Start a new question on a fresh page
4. Total marks 100

Additional material(s): None

Question 1

Discuss the various types of technological transfer, outlining the different forms of transfer that exists in each category **(20 Marks)**

Question 2

- a. Explain how Technovation leverage technology and innovation to address global challenges and contribute to sustainable development? **(10 Marks)**
- b. Discuss the different categories in Technovation, and how do they promote entrepreneurial thinking and problem-solving skills? **(10 Marks)**

Question 3

- a. Define innovation and entrepreneurship. Explain how these concepts are interconnected in the context of starting a new business. **(10 Marks)**
- b. Discuss why innovation is considered a critical driver of economic growth and societal progress? Provide examples to support your answer. **(10 Marks)**

Question 4

- a. Discuss the importance of market research in identifying entrepreneurial opportunities. Provide steps for conducting effective market research. **(10 Marks)**
- b. Explain the components of a comprehensive business plan. How does a well-structured business plan contribute to the success of a new venture? **(10 Marks)**

Question 5

Analyze the challenges that entrepreneurs may face when managing technical innovations. How can project management practices help address these challenges? **(20 Marks)**

Question 6

- a. Identify and explain the legal considerations that entrepreneurs need to address when starting a new business. **(5 Marks)**
- b. Explain the concept of intellectual property and its importance for technology-based start-ups. How can entrepreneurs protect their innovative ideas and products? **(15 marks)**

Question 7

With aid of examples, explain the four different types of innovation that organisations can be assessed on in line with the innovation measurement framework **(20 Marks)**

END OF EXAMINATION