



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

JUNE- 2024

DURATION: 3 HOURS

EXAMINER: MR N. MATANANA

INSTRUCTIONS

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

Additional material(s): None

Question 1

- a. Explain innovation and entrepreneurship and how these concepts are interconnected in the context of starting a new business. **(10 Marks)**
- b. Discuss any five reasons for innovation failure in Zimbabwe. **(10 Marks)**

Question 2

- a. Discuss the various types of technological transfer, outlining the different forms of transfer that exists in each category. **(10 Marks)**
- b. Explore how Technovation address global challenges and contribute to sustainable development. **(10 Marks)**

Question 3

- a. Describe the process of idea generation with the aid of practical examples. **(10 Marks)**
- b. Examine how entrepreneurs protect their innovative ideas and products. **(10 marks)**

Question 4

- a. Discuss why innovation is considered a critical driver of economic growth and societal progress. Provide examples to support your answer. **(10 Marks)**
- b. Explore how the advent of Artificial Intelligence and Machine learning has influenced the innovation process. **(10Marks)**

Question 5

Discuss the four different types of innovation that organisations can be assessed on in line with the innovation measurement framework. **(20 Marks)**

Question 6

- a. Explain the components of a comprehensive business plan highlighting how a well-structured business plan contributes to the success of a new venture. **(6 marks)**

- b. Discuss the legal considerations that entrepreneurs need to address when starting a new business. **(7 Marks)**

- c. Compare and contrast bootstrapping, angel investors, and venture capital as funding options for entrepreneurs. **(7marks)**

Question 7

- a. Explain the importance of clear communication and presentation skills for entrepreneurs focusing on how a compelling pitch presentation impacts the success of a start-up. **(10 marks)**

- b. Analyze the challenges that entrepreneurs may face when managing technical innovations. **(10 Marks)**

END OF EXAMINATION