



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF HUMAN RESOURCE

UNIVERSITY ORDINARY EXAMINATION

2017/2018 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE FOR BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

HSC 2408 – INNOVATION TECHNOLOGY TRANSFER

DURATION: 2 HOURS

DATE: 6TH DECEMBER, 2017

TIME: 9.00 – 11.00 A.M.

Instructions to Candidates:

1. Answer **Question 1** and **Any Other Two** questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION ONE - COMPULSORY

QUESTION ONE

- (a) Explain any three issues involved in Technology Transfer Agreements (5 marks)
- (b) How does a “Design patent” differ from a “Utility Patent”? (5 marks)
- (c) List any obligations of a licensee in Technology Transfer (5 marks)
- (d) Briefly discuss the role of university research in economic development. (5 marks)
- (e) With valid examples, describe the accomplishments and results of the technology transfer activities in Kenya. (5 marks)
- (f) “Information and ideas that are developed at universities with public funds should be available to everyone without patents. Do you agree? Explain your answer (5 marks)

SECTION TWO – ANSWER ANY TWO QUESTIONS

QUESTION TWO

- (a) Describe elaborately the sequential steps involved in the technology commercialization process with suitable examples. (12 marks)

Write short notes on.

- (i) Technology Transfer modes (4 marks)
- (ii) Process of absorption of new technology. (4 marks)

QUESTION THREE

- (a) Explain with suitable examples the permitted “patentable subjects” and the non- permitted patent items. (12 marks)
- (b) With use of examples, explain the factors influencing the decision of technology outsourcing. (8 marks)

QUESTION FOUR

- (a) Elaborate the sources and funds to venture into new technology projects. (8 marks)
- (b) Explain with suitable examples, the salient features and key components of Technology for its effective commercialization. (12 marks)