



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION (ONLINE) SEMESTER I SESSION 2020/2021

COURSE NAME : TECHNOLOGY TRANSFER
COURSE CODE : BPB 44602
PROGRAMME CODE : BPA
EXAMINATION DATE : JANUARY / FEBRUARY 2021
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES



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Q1 Technology transfer can take place through a number of different channels and mechanisms including licensing, franchising, subcontracting and turnkey.

(a) Define:

- (i) Licencing
- (ii) Franchising
- (iii) Subcontracting

(9 marks)

(b) Demonstrate **TWO (2)** of the mechanisms in **Q1(a)** in terms of their disadvantages to the recipient of technology transfer and the impact on technology transfer to the organizations or countries, using appropriate examples.

(16 marks)

Q2 The effectiveness of any transferred technology in a developing country depends on five types of forces.

(a) Describe **TWO (2)** forces.

(6 marks)

(b) Developing countries differ greatly in their capacities for technological absorption in their technological needs.

Explain **TWO (2)** requirements of the technology absorption process.

(6 marks)

(c) Absorption and acceptance of an imported technology mutually reinforce each other. However, acceptance is often a prerequisite for viable absorption.

Compare **TWO (2)** of the technology acceptance scopes

(13 marks)

Q3 Much of the literature on appropriate technology focuses on the twin terms 'capital-intensive' or 'machine-intensive' technology and 'labour intensive technology'.

(a) Discuss:

- (i) Capital-intensive technology / machine-intensive technology
- (ii) Labour intensive technology

(5 marks)

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- (b) Apply the adoption of 'capital-intensive' or 'machine-intensive' technology and 'labour intensive technology' using appropriate examples. (20 marks)

Q4 The effective utilization of a technology in an organization or a country depends on FOUR (4) capabilities.

- (a) Define the following capabilities with examples.

- (i) Acquisitive capability
- (ii) Operative capability
- (iii) Adaptive capability

(9 marks)

- (b) Illustrate the dynamic wheel comprising **TWO (2)** of the four capabilities using appropriate examples

(16 marks)

- END OF QUESTIONS -

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