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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2018/2019**

COURSE NAME : TECHNOLOGY TRANSFER
COURSE CODE : BPB 44602
PROGRAMME CODE : BPA
EXAMINATION DATE : DECEMBER 2018 / JANUARY 2019
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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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) Licensing
- (ii) Franchising
- (iii) Subcontracting

(9 marks)

(b) Explain the disadvantages of **TWO (2)** mechanisms in **Q1(a)** to the recipient of technology transfer using appropriate examples.

(8 marks)

(c) Discuss the impact of the mechanisms in **Q1(b)** on technology transfer to organizations or countries.

(8 marks)

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

Describe **TWO (2)** of the 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)

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Q3 Much of the literature on appropriate technology focuses on the twin terms: ‘machine-intensive technology’ and ‘labour intensive technology’.

(a) Discuss:

- (i) Machine-intensive technology
- (ii) Labour intensive technology

(5 marks)

(a) Explain the application of machine-intensive technology and labour intensive technology using appropriate examples.

(20 marks)

Q4 The effective utilization of a technology in an organization depends on four capabilities.

(a) Discuss **THREE (3)** of the capabilities.

(9 marks)

(b) Illustrate the dynamic wheel comprising of the **TWO (2)** capabilities from **Q4(a)** using **TWO (2)** appropriate examples.

(16 marks)

- END OF QUESTIONS -

