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Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2015/2016**

COURSE NAME : TECHNOLOGY MANAGEMENT
COURSE CODE : BPA 21703
PROGRAMME : 1BPC/1BPP/2BPB
EXAMINATION DATE : DECEMBER 2015/JANUARY 2016
DURATION : 2 HOURS 30 MINUTES
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

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- Q1** (a) There is a confusion between owning technology and technology capabilities of a firm.
- (i) Define technology capabilities. (3 marks)
- (ii) Discuss **FOUR (4)** explanations of technology capabilities according to Professor Nazrul Islam. (12 marks)
- (b) Transfer of technology is a process essential for the application and utilization of technology by one or more users.
- Describe **FIVE (5)** success factors of technology transfer. (10 marks)
- Q2** (a) Discuss **FOUR (4)** components of technology that are require simultaneously by organization for the transformation of raw materials. (16 marks)
- (b) Discuss **TWO (2)** major components in product technology. (9 marks)
- Q3** Technology plan is the single most important ingredient to effectively use technology in an organization.
- (a) Define technology planning. (3 marks)
- (b) Discuss **TWO (2)** differences between strategizing and planning. (4 marks)
- (c) List all the elements of technology planning framework. (8 marks)
- (d) Explain **FIVE (5)** elements of technology planning framework. (10 marks)

Q4 The technology advancement and acquisition will contribute to high productivity of available resources towards customer-oriented practices.

(a) Explain **THREE (3)** methods of acquiring technology. (9 marks)

(b) The illustration in **Figure Q4** below shows the four stages of technology development practices in Research and Development (R & D).

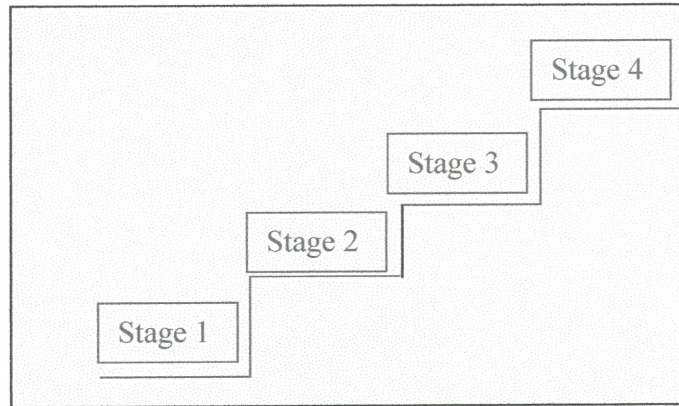


Figure Q4: The Stages of Technology Development

Based on **Figure Q4** above:

(i) Label each stages of technology development process. (4 marks)

(ii) Discuss **THREE (3)** stages of technology development with appropriate examples for each. (12 marks)

-END OF QUESTIONS-