



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(ONLINE)
SEMESTER I
SESSION 2020/2021**

COURSE NAME : WEB APPLICATION
COURSE CODE : BIW 10203
PROGRAMME CODE : BIW
EXAMINATION DATE : JANUARY / FEBRUARY 2021
DURATION : 2 HOURS AND 30 MINUTES
INSTRUCTION : 1. ANSWER ALL QUESTIONS.
2. PLEASE MAKE SURE TO
CLICK "SAVE ANSWER"
BUTTON FOR SUBJECTIVE
QUESTIONS. OBJECTIVE
QUESTIONS ARE SAVED
AUTOMATICALLY.

THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

TERBUKA

Q1 (a) Based on the **Figure Q1**, discuss **FOUR (4)** e-commerce type that will benefit on the process of disintermediation to the consumer.

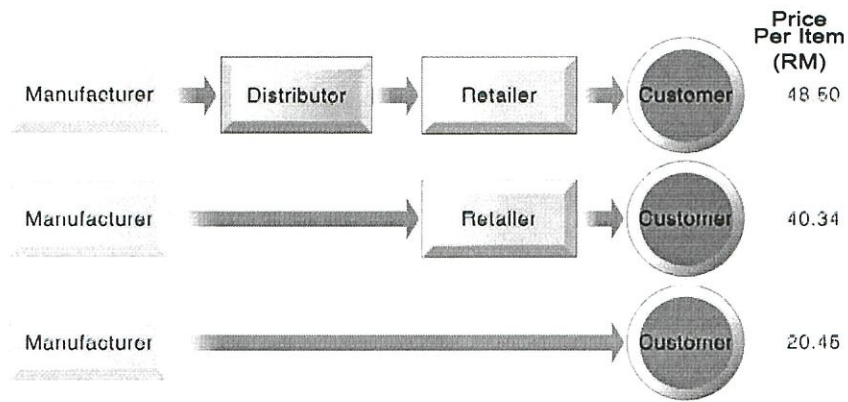


Figure Q1

(8 marks)

(b) Home Banking is the technology for consumers to do their banking transaction right in the comfort of their homes. Explain **TWO (2)** advantages of Home Banking.

(4 marks)

(c) Provide and explain **TWO (2)** criteria when considering a web hosting for an e-commerce system

(4 marks)

Q2 (a) “Cloud-based software and cloud-based applications are apps that run in a cloud environment and are able to interact with web browsers that will increase agility and accelerate quickly in respond to the business needs with greater flexibility and control over the web applications”

Based on the above scenario, discuss **FOUR (4)** advantages cloud-based application development.

(8 marks)

TERBUKA

- (b) “Automated Teller Machine (ATM) is a sophisticated computer that can do almost anything like a human bank teller.”

Based on the statement above, discuss **TWO (2)** common functions of ATM that has the capability to replace human bank teller and give an example of the Malaysian consumer practicality.

(5 marks)

- (c) Draw a diagram with a correct label to illustrate how unsuccessful credit card online transaction (failed transaction) processing works in retail online store.

(7 marks)

- Q3** (a) Due to Pandemic COVID-19, e-learning become the prime option in teaching and learning medium. Based on that situation, discuss an appropriate **TWO (2)** benefits and **TWO (2)** problems of e-learning compared to the traditional classroom approach.

(8 marks)

- (b) Learning Management System (LMS) is software that deploys, manages, tracks and reports on interaction between learner and content and also between learner and instructor. LMS performs student registration and some other tasks. Discuss **FOUR (4)** tasks that are delivered in LMS.

(8 marks)

- (c) Based on the Model-View-Controller, justify is it enough to build a LMS system just by using HTML.

(4 marks)

- Q4** (a) There are a few important elements of network security that help any companies and their customers engage in secure electronic transactions. Name **FOUR (4)** elements of network security, provide a brief description of each and suggest **ONE (1)** suitable solution to improve each aspect of network security.

(8 marks)

- (b) Explain **THREE (3)** security solutions for electronic cash to increase the security in electronic payment processes.

(6 marks)

-END OF QUESTION-