



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2023/2024

COURSE NAME : AIRPORT MANAGEMENT

COURSE CODE : BDU 30102

PROGRAMME CODE : BDC

EXAMINATION DATE : JULY 2024

DURATION : 2 HOURS

INSTRUCTIONS : 1. PART A: ANSWER ALL QUESTIONS.
PART B: ANSWER **ONE (1)** QUESTION FROM TWO (2) QUESTIONS ONLY
2. THIS FINAL EXAMINATION IS CONDUCTED VIA
 Open book
 Closed book
3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK

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

PART A

- Q1** (a) Briefly explain **four (4)** key functions of a terminal building. (8 marks)
- (b) Airport's aim is to provide high quality terminal facilities.
- (i) Discuss **five (5)** key factors to ensure effective terminal operations. (10 marks)
- (ii) Terminal congestion means excessive crowding in the terminal building. Suggest and elaborate **three (3)** ways on how to reduce terminal building congestion. (7 marks)
- Q2** (a) Briefly explain these terms by associating it with its functions/purposes.
- (i) Line-item budget
- (ii) Zero-based budget (8 marks)
- (b) There are few types of planning to maintain airport business namely Operational Planning, Strategic Planning, Tactical Planning and Contingency Planning.
- (i) Compare the difference between these different types of planning in airport business. (8 marks)
- (ii) Airports generate revenue from its business activities that can be classified into two categories which are aeronautical and non-aeronautical revenue. Compare the differences between aeronautical and non-aeronautical revenues. (11 marks)
- Q3** (a) List **four (4)** purposes of Air Traffic Control tower. (8 marks)
- (b) Describe the importance of having an Aircraft Rescue and Fire Fighting (ARFF) unit at the airport and relate it with regulation associated with the response time whenever an emergency happens. (8 marks)

- (c) Primary Surveillance Radar (PSR) detects and provides both range and bearing information of an aircraft within its effective coverage by radio wave reflection. Compare the advantages and disadvantages of PSR.

(9 marks)

PART B

- Q4** (a) Define the airport expenses and describe the type of expenses involved.

(7 marks)

- (b) Choose two categories of airport revenue and provide **three (3)** examples for each category.

(10 marks)

- (c) Elaborate **four (4)** key functions of an attractive terminal in an airport.

(8 marks)

- Q5** (a) You are given the job as Airport Operation Manager. The first task is to identify teams that are going to work together with you to manage the airport. Propose your airport team that consists of several designated departments to ensure safe and efficient airport operation.

(10 marks)

- (b) Construct the flow chart of an embarking passenger in an airport terminal.

(5 marks)

- (c) Runways are always oriented in the direction of prevailing winds to utilize the maximum force of the wind at the time of take-off and landing of an aircraft. Elaborate factors that need to be considered while orienting the runways.

(10 marks)

- END OF QUESTIONS -