



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(ONLINE)
SEMESTER II
SESSION 2019/2020**

COURSE NAME : ARCHITECTURE PRACTICE AND
CONSTRUCTION INDUSTRY

COURSE CODE : BFR 10402

PROGRAMME CODE : BFR

EXAMINATION DATE : JULY 2020

DURATION : 4 HOURS

INSTRUCTION : ANSWER ALL **FOUR (4)**
QUESTIONS.

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

- Q1**
- (a) You have just graduated from Universiti Tun Hussein Onn Malaysia (UTHM) with a Bachelor of Science in Architecture, and came across an online advertisement seeking for a new Assistant Architect cum Designer for Architect ABC Sdn. Bhd. Outline a letter of application for the advertised position. (5 marks)
- (b) Explain the following types of architectural practices approved by Board of Architects Malaysia.
- (i) Sole Proprietorship.
 - (ii) Partnership.
 - (iii) Body Corporate. (6 marks)
- (c) One of the architectural services provided by Professional Architects in private practice is architectural basic services. Identify various stages required in basic services from inception to completion. (14 marks)
- Q2**
- (a) Define the scope of works of the following building team players:
- (i) Principal Architect.
 - (ii) Quantity Surveyor.
 - (iii) Clerk of Work.
 - (iv) Structural Engineer.
 - (v) Mechanical and Electrical Engineer. (10 marks)
- (b) Under Code of Ethics of Professional Architects, you are prohibited to advertise your practice in the local newspaper or media. Demonstrate how you would market your architectural practice. (5 marks)
- (c) A client has appointed you to be the Architect of his bungalow in a lot located in Bandar Dato' Onn, Johor Bahru. You have completed the design and the working drawing of the project. Classify the submission process for the building plan approval to Johor Bahru City Council. (5 marks)
- (d) List **FIVE (5)** important components in the preparation of minutes of site meetings. (5 marks)

- Q3** (a) Architectural office practice environment demands a certain fundamental criteria from new recruitments for the success of the practice.
- (i) Justify **FOUR (4)** main tasks of an Assistant Architect in a sole proprietor office practice environment. (4 marks)
 - (ii) List the task required from a design architect for a new 100 bed hospital project in the firm during design development stage. (6 marks)
 - (iii) Assuming your project is a government office; identify **THREE (3)** main local approving authorities for this project. (3 marks)
- (b) List and elaborate any **THREE (3)** types of building contracts available in Malaysia. (6 marks)
- (c) Justify the process of tendering procedure of the following:
- (i) Types of tender.
 - (ii) Tender documentations.
 - (iii) Award of tender. (6 marks)
- Q4** (a) There are several contracts used in construction. You are appointed as architect to a project that involves construction of five-levels-single block apartments in Parit Raja, Johor. The client is giving you large amount of one-off budget to make sure the apartments in complete by time. Explain the most suitable contract that can be used in this situation. (9 marks)
- (b) Bill of Quantities enable all contractors tender for a contract to a price exactly on a same itemised job description/information. It provides a basis of evaluation variations and changes in a project. However, Bill of Quantities need to be prepared thoroughly and arrange in sequence that can be easily understood. Explain on how to make sure it is properly arranged in sequence. (8 marks)
- (c) As an Architects for a project, a continuous process should be done through construction period in order to ensure that the cost is kept within agreed cost limit to maximize the profits. Explain the process. (8 marks)

– END OF QUESTIONS –