



UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2021/2022**

COURSE NAME : CONSTRUCTION PROJECT
MANAGEMENT

COURSE CODE : MPC 10103

PROGRAMME CODE : MPC

EXAMINATION DATE : JANUARY / FEBRUARY 2022

DURATION : 3 HOURS

INSTRUCTION : 1. ANSWER ALL QUESTIONS
2. THIS FINAL EXAMINATION
IS AN **ONLINE ASSESSMENT**
AND CONDUCTED VIA
CLOSED BOOK

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

Q1 “A person who leads the project management processes and who plans, coordinates and organise resources, people, machine, money and materials”.

(a) Discuss **FIVE (5)** impact and value of project manager’s knowledge to project. (10 marks)

(b) Explain **TEN (10)** the essential skills of project manager. (15 marks)

Q2 Ministry of Tourism Malaysia has decided to build three blocks of offices and a podium using the Design and Build with a budget of RM 500,000,000.00.

(a) Define the project life cycle in construction by the Design and Build contractor. (7 marks)

(b) Propose the necessary actions that the Project Management team should consider during the construction life cycle of the project. (18 marks)

Q3 Your company has just been awarded the contract to construct a hospital projects.

(a) Explain **FIVE (5)** materials management plan for hospital projects to ensure that the necessary equipment and materials arrive on time at the field site to support the construction activities. (10 marks)

(b) Critical Path Method (CPM) calculates the minimum completion time for a hospital project along with the possible start and finish times for the project activities.

Outline the techniques of shortening the project scheduling networks with examples.

(15 marks)

- Q4** (a) ABC Sdn Bhd has awarded for a road maintenance project in Klang, Selangor and submitted a claim for Extension of Time (EOT) to the Client. However, upon final assessment, the recommended number of days for the EOT is lesser than the Contractor's claimed.

Outline on how the CPM helps in assessing the number of additional days to be granted to the Contractor.

(10 marks)

- (b) Tuah Construction Sdn Bhd as main contractor for residential projects in Johor Bahru, Johor. During the construction, materials delivery was delayed because of contractor's negligence and severe weather happened concurrently. The contractor may be late due to his own fault, but when a change order comes from the owner, the contractor tries to dodge its delay into the change order time-extension claim.

You as the project manager, explain the action taken to overcome this situation.

(5 marks)

- (c) As the project manager, there are many methods that have been employed to determining percent complete for the entire project such as units completed method, cost/budget method, man-hours method, duration method and workday unit method.

Propose which method is better with explanation.

(10 marks)

-END OF QUESTIONS-