



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : PROJECT PLANNING AND DEVELOPMENT

COURSE CODE : MPC 10803

PROGRAMME CODE : MPC

EXAMINATION DATE : JULY 2021

DURATION : 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS
OPEN BOOK EXAMINATION

THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

- Q1** Construction risk management plays an important role in the area of buying and selling irrespective of measure, activity and organisation. Risk management is a field of ideology and uncertainty which depends on significant projects which vary from nation to nation. It is essential to decrease the losses faced by the firm and to increase the profit, which can be done to forecast and calculate the risk factors relevant to the construction practices on time. The three main project constraints in construction projects are time, cost, and quality. Uncertainties become the primary risks that can lead to a project's success or failure. As a Project Manager, you will need to advise your client on execution strategies and provide a foundation for project planning.

(Source: Kumar and Narayanan, 2021)

Demonstrate the potential risks that may arise in construction projects, based the perspective of the Project Manager,

(25 marks)

- Q2** Pre-construction planning has become an important stage in the overall development of a construction project. The pre-construction stage, which encompasses all the activities preceding actual execution of works by the contractor. Although this typically includes the inception and planning phases, attention is also given to the early part of the execution phase where appropriate.

(Source: Dansoh et.al, 2021)

- (a) Analyse the importance of pre-construction planning from the perspective of a planning manager
(10 marks)
- (b) Explain **FIVE (5)** critical activities with examples in pre-construction planning stage.
(15 marks)

Q3 On 13th of April 2020, the Prime Minister of Malaysia has announced that the main services including construction sector is allowed to operate during the CMCO but with a strict SOP. Later on, 30th May, there are 28 of workers affected by Covid-19 in a construction site located in Jalan Ampang. Hence, to overcome the spreading of Covid-19 in construction site while still be in full operation, the government has declared a specific SOP for construction sectors on 1st May 2020 stated under Act 520. This SOP also applicable for all construction sector related professional services (Quantity surveyor, engineers, architect firm etc.). Moreover, in the SOP, the developers and contractors are fully responsible to ensure their site workers and staffs follows all the terms and conditions particularly to keep the workers' health and hygiene as a priority.

Besides, any violation of the SOP will cause the construction site to be closed. As at 15th May 2020, CIDB has declared that within 20th April to 18th May 2020, there are 515 or 11% of the construction site in the whole Malaysia successfully complied to the SOP, meanwhile, 167 (4%) are non-compliance (warning notice) and seven (7) are ordered to be closed. Besides, there are 3,870 (85%) construction sites still not resuming their project at that time. Furthermore, as recorded on 22nd June 2020 through CIDB Telegram Channel, the operating construction site increased to 2245 (84%). Meanwhile, 437 (16%) construction site were issued warning notice and 19 (1%) of the construction site are ordered to be closed because of SOP non-compliance such as not implementing Covid-19 screening tests for the workers, not registered with CIDB, does not provide Covid-19 health supervisor and 90% not practicing the SOP properly in the construction site.

From the increment of the project which is successfully compliance to SOP, it was proven that the construction players have a good awareness and understanding regarding to SOP imposed by the government. Starting from the first phase until the third phase of MCO most of the construction site is directed to be closed by the government for approximately 6 weeks except for critical development categories.

(Source: Esa et al., 2020)

Propose a risk assessment report to help construction companies avoid unnecessary risks before embarking on new construction projects in the Covid-19 period.

(18 marks)

Q4 **Figure Q4** shows a location plan for new buildings for UHMH Holding that will be constructed in a congested area of Kuala Lumpur city.

(a) Discuss site investigation processes for the project. (12 marks)

(b) Propose a preliminary project development report for the project. (20 marks)

-END OF QUESTIONS-

FINAL EXAMINATION
SEMESTER/SESSION: SEM II/2020/2021
COURSE NAME : PROJECT PLANNING & DEVELOPMENT
PROGRAMME : MPC
COURSE CODE: MPC 10803

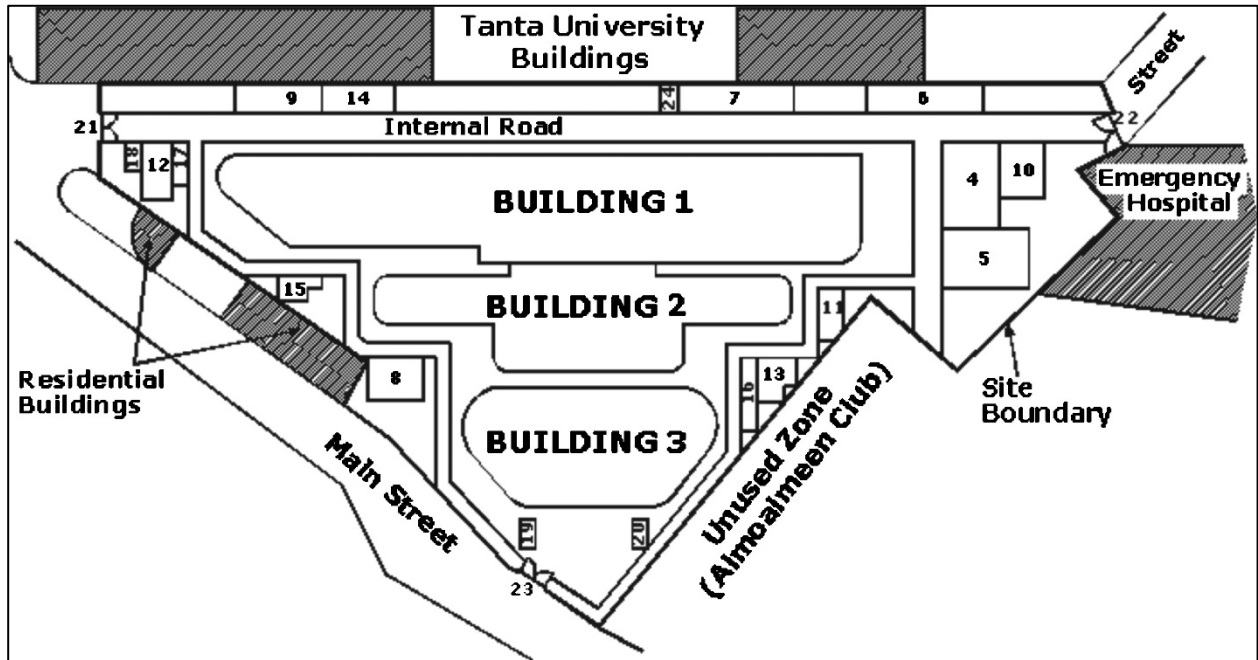


Figure Q4: Location plan of a proposed buildings (Sanad, 2008)