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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(TAKE HOME)  
SEMESTER II  
SESSION 2019/2020**

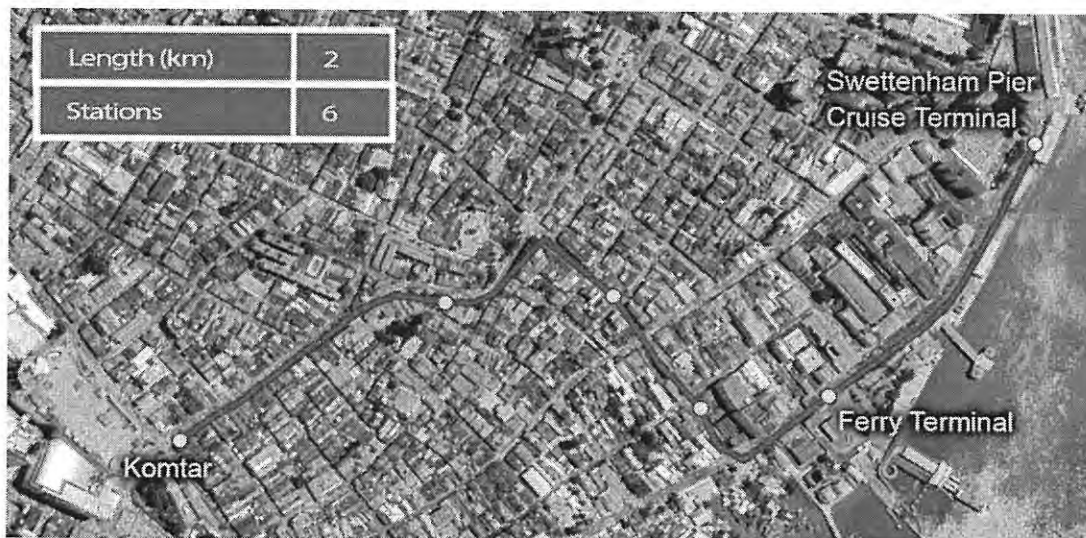
COURSE NAME : URBAN AND PLANNING THEORY  
COURSE CODE : BPE 13002  
PROGRAMME CODE : BPD  
EXAMINATION DATE : JULY 2020  
DURATION : 24 HOURS  
INSTRUCTION : ANSWER **ALL** QUESTIONS  
**OPEN BOOK EXAMINATION**

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

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**TERBUKA**

- Q1** Penang Transport Master Plan 2030 is a comprehensive plan formed by the Penang state government to improve transportation within the entire State of Penang. The plan is expected to cost RM27 billion (US\$6.65 billion), envisages more alternative transportation modes to combat worsening traffic congestion across the state with the introduction of the tram system linking Komtar to its terminus station at Swettenham Pier Cruise Terminal (**Figure Q1**). The proposed 2 km tram line within the UNESCO World Heritage Site will be at-grade (on-ground) and seamlessly integrated with the Light Rail Transit (LRT), monorail lines, a cable car line and an undersea tunnel linking George Town with Butterworth on the mainland.



**Figure Q1: Proposed transit alignment of tram system in George Town, Penang**

- (a) Analyse the implications of running the tram system above-ground through the heritage zone. (10 marks)
- (b) If the tram line will be built on-ground, highlight the advantages of having the tram system on-ground for George Town heritage city. (15 marks)

- Q2** Generally, urban and regional planning activity involves the aspect of future planning, development control and design. For example, in the future planning aspect the application of development plan as mechanism for determining future land usage; development control is carried out to balance the public and private sector planning objectives whereas design aspect is for the application of art and science for the users wellbeing.
- (a) Relate urban and regional planning application in the development control context through explanation on the relevant authorities, statutory provision and the implementation process, with appropriate examples i.e case study, flow charts etc.  
(10 marks)
- (b) Appraise the relationship between spatial and non-spatial development plans in Malaysia and the application of both types of plans in achieving the physical and socio-economic development objectives of the nation.  
(15 marks)

– END OF QUESTIONS –