



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017**

COURSE NAME : SUSTAINABLE CONSTRUCTION
COURSE CODE : BPF 44103
PROGRAMME : BPC
EXAMINATION DATE : JUNE 2017
DURATION : 2 HOURS 30 MINUTES
INSTRUCTION : ANSWER ALL QUESTIONS

TERBUKA

THIS QUESTION PAPER CONSISTS OF **TWO (2)** PAGES

Q1 Green Building Index (GBI) was founded to give initiative for construction industry to be sustainable.

Analyse the activities in any construction project with GBI.

(20 marks)

Q2 (a) Discuss the water efficiency as recommended by GBI that can be applied in the construction of a high rise building in Malaysia.

(15 marks)

(b) Innovation is important aspect in GBI as it can influence the level of sustainability of any building being constructed.

Explain the importance of innovation for project manager in leading his or her team on a mega structures project.

(15 marks)

Q3 (a) Explain the concept of Reduce, Reuse and Recycle in the usage of construction material for building.

(10 marks)

(b) Propose the strategies for sustainable development with GBI.

(15 marks)

Q4 (a) Explain ALL elements in GBI.

(12 marks)

(b) Sarah, Haniz and Zirah are the proud owner of a so-called sustainable commercial building in Parit Sameon. However, when comes to detail, Sarah has a platinum graded GBI certificate for her building, while Aniz has a gold graded GBI for her building and lastly Zirah only managed a certificate for GBI.

Discuss the significance of terminology for the certification of GBI for building.

(13 marks)

- END OF QUESTIONS -



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