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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : SUSTAINABLE CONSTRUCTION
COURSE CODE : BPD 35103
PROGRAMME CODE : BPC
EXAMINATION DATE : JULY 2020
DURATION : 24 HOURS
INSTRUCTION : ANSWER **ALL** QUESTIONS
(**OPEN BOOK EXAMINATION**)

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

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TERBUKA

- Q1** Green Building Index (GBI) is the green rating tool used in Malaysia for buildings to promote sustainability in the built environment. It raises awareness among developers, architects, engineers, planners, designers, contractors and public about environmental issues and responsibility for future generations. Building will be awarded with GBI rating based on 6 key criteria.

(Green Building Index, Malaysia)

Outline with examples the GBI assessment criteria that can be carried out to accumulate point in achieving and incorporating environment-friendly features.

(25 marks)

- Q2** Indoor Environmental Quality (IEQ) encompasses the conditions inside a building, which are air quality, lighting, thermal conditions, ergonomics and their effects on occupants or residents. Strategies for addressing IEQ include those that protect human health, improve quality of life, and reduce stress and potential injuries. Better indoor environmental quality can enhance the lives of building occupants, increase the resale value of the building, and reduce liability for building owners.

Propose **FIVE (5)** effective strategies in improving IEQ for the occupants' comfort.

(25 marks)

- END OF QUESTIONS -

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