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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

TERBUKA

COURSE NAME : BUILDING REHABILITATION
TECHNOLOGY

COURSE CODE : BNC 40703

PROGRAMME CODE : BNC

EXAMINATION DATE : DECEMBER 2016 / JANUARY 2017

DURATION : 2 HOURS 30 MINUTES

INSTRUCTION : ANSWERS ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES

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- Q1** Cracks in buildings are normally associated with differential settlements that occur at building foundations.
- (a) Discuss **THREE (3)** sources of problems which have been found to be the causes of the building settlement (15 marks)
 - (b) Differentiate between hairline and structural cracks and how these can be rectified. (10 marks)
- Q2** Over the years, there has been increasing abandonment of building projects and infrastructural facilities which has led to the dilapidation, degradation and deterioration of building structures.
- (a) Define and explain about rectification of work estimation in building maintenance. (15 marks)
 - (b) Suggest and discuss **FIVE (5)** effective solutions on project execution and monitoring process of management on building maintenance work for cost overruns in construction project. (10 marks)
- Q3** Structural Building Maintenance Report will inspect and check the property to ensure it has been built and maintain in accordance with the requirements. These reports are best prepared while the project is under construction.
- (a) Identify **FIVE (5)** common problems found in Structural Inspections (15 marks)
 - (b) Discuss and explain in detail **THREE (3)** common problems causing disputes between Builder and Client in structural building maintenance (10 marks)
- Q4**
- (a) Sketch and propose the appropriate organizational structure for maintenance management of a shopping centres. (12 marks)
 - (b) Identify the functions and responsibilities of the administrative and technical division of the maintenance management. (7 marks)
 - (c) Provide meanings for term below; (6 marks)
 - (i) Renovation
 - (ii) Alteration
 - (iii) Addition

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- END OF QUESTIONS -