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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : ENGINEERING TECHNOLOGIST
AND SOCIETY

COURSE CODE : BNP30302 / BNQ40102

PROGRAMME CODE : BNC/BNN

EXAMINATION DATE : DECEMBER 2016 / JANUARY 2017

DURATION : 2 HOURS

INSTRUCTION : ANSWERS ALL QUESTIONS

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

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- Q1** (a) Concept of engineering has existed since ancient times. Explain **FIVE (5)** contributions from each era in early years to the development of engineering and technology (10 marks)
- (b) Demonstrate the importance of Code of Ethics. (5 marks)
- (c) Engineers have attempted to establish rules or standard of conduct in the form of code of ethics. Discuss **FIVE (5)** ethical values as stated in Code of Ethics for Engineers in order to enhance public safety, health and welfare. (10 marks)

- Q2** Engineering technologists have played an important part in developing and improving people's lifestyle all around the world.
- (a) Explain **FIVE (5)** duties of engineer in Pre-contract and Post-Contract stage. (10 marks)
- (b) Define the definition of Engineering Technologist? (5 marks)
- (c) Demonstrate engineering technologists' role in society. Support the reasons why they are relevant to be in society. (10 marks)

- Q3** (a) Illustrate and explain **TWO (2)** type of production cycle. (10 marks)
- (b) Explain how the nation obtain the new technology for the Research & Development. (5 marks)
- (c) You are a researcher and tend to patent the product that you have produce. Exhibit and evaluate what are the meanings of Intellectual Property below. (10 marks)
- (i) Patent
 - (ii) Trademark

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- Q4** (a) Board of Engineers is a Professional body for all engineers and engineering technologist. Point out the **THREE (3)** roles of Board of Engineer. (6 marks)
- (b) Explain **THREE (3)** reasons why should all engineering graduate should be registered with Board of Engineers. (9 marks)
- (c) Inteprate **FIVE (5)** general character of engineering profession? (10 marks)

- END OF QUESTION -

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