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Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER I  
SESSION 2018/2019**

COURSE NAME : BUILDING SERVICES  
COURSE CODE : BPD 32902  
PROGRAMME CODE : BPC  
EXAMINATION DATE : DECEMBER 2018 / JANUARY 2019  
DURATION : 2 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

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

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**TERBUKA**



- Q2** (a) Discuss the following:
- (i) Self-Siphonage
  - (ii) Trap
- (5 marks)
- (b) After the sanitary pipe works are completed, there is a need to test its effectiveness.
- Discuss **TWO (2)** purposes of sanitary pipe tests run.
- (5 marks)
- (c) Compare a single stack system and modified single stack system.
- (10 marks)
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- Q3** (a) Relate the importance of fire safety system in obtaining the Certificate of Completion and Compliance (CCC) in construction industry.
- (10 marks)
- (b) Lift has a significant impact on the functioning of a building. It makes vertical movement quicker and easier compared to paternoster.
- Differentiate electric lift and hydraulic lift with the aid of sketches.
- (10 marks)
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- Q4** (a) Air conditioning system is the process of treating air to simultaneously control its temperature, humidity, cleanliness (purity) and distribution to meet the requirements of the conditioned space. There are several systems for air conditioning units often used in commercial buildings.
- Discuss **FIVE (5)** selection criteria for air conditioning system.
- (10 marks)
- (b) Demonstrate the components of a window unit air conditioning system with the aid of sketches.
- (15 marks)

- END OF QUESTIONS -

