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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

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

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH  
COURSE CODE : BPA 32202  
PROGRAMME CODE : BPA / BPD  
EXAMINATION DATE : JUNE / JULY 2019  
DURATION : 2 HOURS  
INSTRUCTION : ANSWERS ALL QUESTIONS

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

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**TERBUKA**

- Q1** (a) Define human factors in ergonomics. (2 marks)
- (b) Outline **FOUR (4)** science of human factors that may reduce product and workplace hazards. (12 marks)
- Q2** (a) Demonstrate how these activities may influence the amount of physical stress in jobs.
- (i) Sitting versus Standing
- (ii) Stationary versus Movable/Mobile (8 marks)
- (b) Recommend **FOUR (4)** strategies to ensure that all employees are more comfortable with using the Personal Protective Equipment (PPE). (16 marks)
- Q3** A hazard is any source of potential damage, harm or adverse health effects on something or someone. Sometimes the resulting harm is referred to as the hazard instead of the actual source of the hazard. There are many types of hazards that may harm the safety of employees such as mechanical hazards, falling hazards, electrical hazards, noise hazards, ergonomic hazards and fire hazards.
- (a) Explain **THREE (3)** types of hazards and its effects to the employees. (15 marks)
- (b) Discuss **TWO (2)** types of sound that may pose hazard to safety and health. (5 marks)
- (c) Analyze **THREE (3)** potential impacts of hazards from business perspective. (12 marks)
- Q4** Arjun is a newly assigned Safety Officer in Quality Ceramics Sdn Bhd. Arjun is a fresh graduate without prior working experience. He understands that the purpose of safety promotion is to keep employees focused on doing their work the safe way. One of the best ways that he had ever been trained before in promoting safety is to design safety into the tools, machines and technology with which people interact in the workplace.
- Propose to Arjun **FIVE (5)** ways to guide him in promoting safety among the employees in Quality Ceramics Sdn. Bhd. (30 marks)

- END OF QUESTIONS -