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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(ONLINE)  
SEMESTER I  
SESSION 2020/2021**

COURSE NAME : SAFETY AND HEALTH IN  
CONSTRUCTION

COURSE CODE : BPD 35003

PROGRAMME CODE : BPC

EXAMINATION DATE : JANUARY / FEBRUARY 2021

DURATION : 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

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

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- Q1** (a) Section 24(1c) of Occupational Safety and Health (OSHA) Act 1994 states that it is the duty of employee to wear at all times any Personal Protective Equipment (PPE) provided by the company.

Discuss **TWO (2)** type of PPE should be provide by construction company as stated in Section 24 (1c) of OSH Act 1994.

(10 marks)

- (b) Explain **FIVE (5)** types of PPE and the conditions under which they should be worn at construction site.

(15 marks)

- Q2** Risk management in construction is designed to plan, monitor and control the measures needed to prevent exposure to risk.

Discuss with example a risk management that can be done during the following construction phase;

- (a) Design Phase

(10 marks)

- (b) Construction phase

(15 marks)

- Q3** Insurance is one of the tool to reduce accident costs in a construction project. The function of insurance is to transfer and share risk to the third party.

Outline the types of insurance as follow:

- (a) Private insurance

(10 marks)

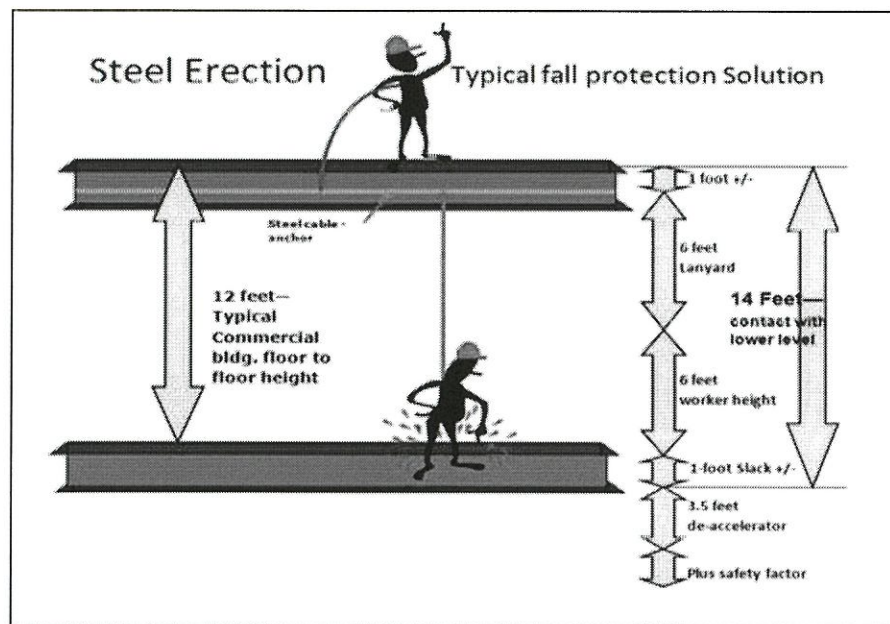
- (b) Social insurance

(15 marks)

**Q4** The creation of a safe work environment on a construction site requires a team effort in identifying, evaluating, and managing the risks that flow to the worksite. All the party such as owners, designers, contractors, and safety professionals, must cooperate and contribute to achieve this goal.

Referring to **Figure Q4** below:

- (a) Discuss the role of the owners and designers. (10 marks)
- (b) Suggest the way that can potentially reduce or minimize impact in a bad situation (15 marks)



**Figure Q4: Construction Injury Prevention through design**

-END OF QUESTIONS-

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