



**KOLEJ YAYASAN PELAJARAN JOHOR
FINAL EXAMINATION**

COURSE NAME : OSHA AND FACILITIES MANAGEMENT
COURSE CODE : DHM 1033
EXAMINATION : JUNE 2024
DURATION : 3 HOURS

INSTRUCTION TO CANDIDATES

1. This examination paper consists of **THREE (3) PARTS**:
PART A (10 marks)
PART B (70 marks)
PART C (20 marks)
2. Candidates are not allowed to bring any material to examination room except with the permission from the invigilator.
3. Please check to make sure that this examination pack consists of:
 - i. The Question Paper
 - ii. An Objective Answer Paper
 - iii. An Answering Booklet

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

This examination paper consists of **8** printed pages including front page

PART A

This part consists of **TEN (10)** questions.

Answer ALL in the Objective Answer Paper.

1. Occupational Safety and Health Act (OSHA) Malaysia was enacted in:
 - A 1943
 - B 1957
 - C 1967
 - D 1994

2. Arrange the 6 steps in the correct order to follow the OSH-MS System Model.
 - A Inputs - Plan –Do – Policy Objectives – Act – Check
 - B Plan – Inputs –Do – Policy Objectives – Act - Check
 - C Inputs - Plan –Do – Policy Objectives – Check – Act
 - D Plan – Inputs –Do – Policy Objectives – Check – Act

3. A worker has large hands; he just used the last pair of large gloves in the box. He looked everywhere and there were no large gloves available. Which action should he take?
 - A He should carry out the activity without gloves.
 - B He should report the lack of large gloves to his supervisor right away.
 - C He should file a complaint to the Joint Health and Safety Committee.
 - D He should wait until next month's Health and Safety meeting to report the lack of gloves.

4. Based on **Figure 1** below, what does the hazard stand for?

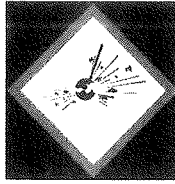


Figure 1

- A Carcinogen
 - B Flame burst
 - C Narcotic effects
 - D Exploding bomb
5. Which of the following statement is **false** for types of fire extinguisher?
- A Type D: for plastic
 - B Type C: for electrical
 - C Type A: for wood, cardboard and paper
 - D Type B: for flammable liquids and grease
6. Which of the following does **not refer** to utility account?
- A Fuel
 - B Food
 - C Water
 - D Electricity
7. Which of the following does **not refer** to bird control?
- A Use netting
 - B Use UV light
 - C Landscape plants
 - D Eliminate nesting side

8. Based on **Figure 2**, which type of trap is used in toilet under water closet?

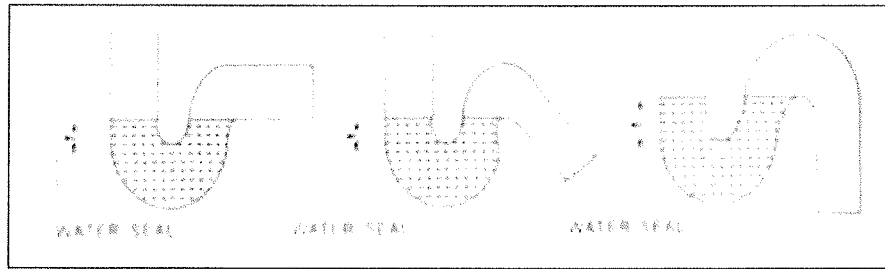


Figure 2

- A P - Trap
 - B Q - Trap
 - C R - Trap
 - D S - Trap
9. Name the part of a building which is basically a long cylinder of a strong material such as concrete that is pushed into the ground.
- A Plaster Board
 - B Vapour Barrier
 - C Pile foundations
 - D Shallow foundations
10. Which of the following equipments can control the room temperature when an aircond is used?
- A Hot coil
 - B Control unit
 - C Compressor
 - D Expansion valve

[10 MARKS]

PART B

This part consists of **FIVE (5)** questions.

Answer ALL questions in the Answering Booklet.

QUESTION 1

As a safety officer, list **five (5)** major safety terminologies in order to assist with the task in your scope of work.

(10 marks)

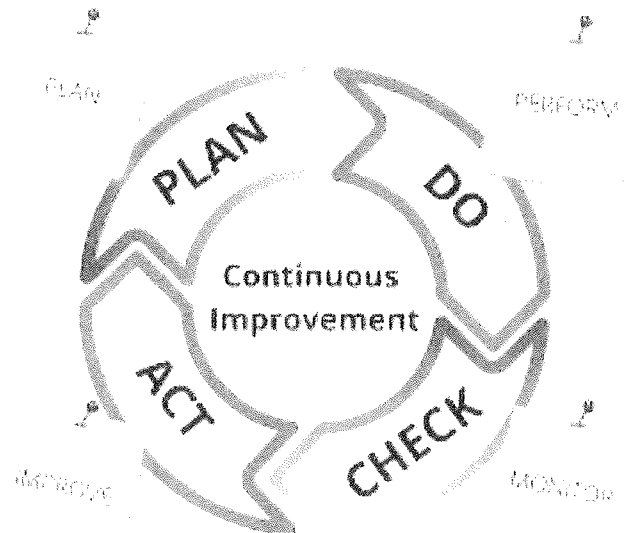
QUESTION 2

Figure 3

Based on **Figure 3** you as a Kitchen Supervisor, explain **two (2)** for each component for continuous improvement to prevent accidents in the restaurant kitchen.

(16 marks)

QUESTION 3



Figure 4

Workplaces that require workers to lift heavy loads can contribute to injuries and cause pain. The effect can result in workers experiencing inability to perform tasks due to the use of muscles, joints and body tissues that experience fatigue and extreme wear and tear. Workers can be exposed to the risk of joint, bone and muscle diseases or Musculoskeletal Disorders (MSDs) where the heavier and longer the load is lifted, the higher the risk. Based on **Figure 4**, explain **five (5)** safe methods when lifting objects.

(10 marks)

QUESTION 4



Figure 5

Based on **Figure 5**, explain the **six (6)** procedures that should be present in fire fighting activities.

(12 marks)

QUESTION 5

Maintenance is all actions necessary for retaining an item or restoring it to a serviceable condition including service, repair, modification, overhaul, inspection and condition verification. List **five (5)** importance of maintenance in the company.

(10 marks)

QUESTION 6

Explain **six (6)** bad impacts of weak design in facilities management.

(12 marks)

[70 MARKS]

PART C

This part consists of **ONE (1)** questions.

Answer ALL questions in the Answering Booklet.

QUESTION

Facility Management is a process of managing and maintaining the facilities in an organisation. Facilities can include an office complex, physical resources at the company or site and any other mechanical and electrical utilities that can cause health or safety hazard to employees. Facilities management has gained importance over the last few years. This is because businesses have identified that well-managed buildings and utilities help companies function effectively and efficiently. Facilities management teams consists of professionals involved in the day-to-day analysis, maintenance and repair of company utilities.

REQUIRED

- a. Explain **five (5)** solutions to lowering operations costs in Facilities Management.
(10 Marks)

- b. List **five (5)** tips in preventive maintenance.
(10 Marks)

[20 MARKS]

END OF QUESTION

