



**KOLEJ YAYASAN PELAJARAN JOHOR
ONLINE FINAL EXAMINATION**

COURSE NAME : OSHA AND FACILITIES MANAGEMENT
COURSE CODE : DHM 2093
EXAMINATION : JUNE 2022
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. Please refer to the detailed instructions in this question paper
3. Answer ALL questions in the answer sheet which is A4 size paper (or other paper with the consent of the relevant lecturer).
4. Write your details as follows in the upper left corner for each answer sheet:
 - i. Student Full Name
 - ii. Identification Card (I/C) No.
 - iii. Class Section
 - iv. Course Code
 - v. Course Name
 - vi. Lecturer Name
5. Each answer sheet must have page number written at the bottom right corner.
6. Answers should be neat and clear in handwritten form.

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

This examination paper consists of 7 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. What is emphasized in the Occupational Safety and Health Act 1994?
 - A Safety in the workplace
 - B Health hazard in the workplace
 - C Facilities insurance in the workplace
 - D Machinery maintenance in the workplace

3. Which of the following does **not refer** to utility account?
 - A Fuel
 - B Food
 - C Water
 - D Electricity

4. Which of the following is **not included** for cost of renovation account?
 - A Safety
 - B Technology
 - C Legal and regulatory compliance
 - D Replacement of building components

5. Which of the following does **not refer** to bird control?
 - A Use netting
 - B Use UV light
 - C Landscape plants
 - D Eliminate nesting side

6. Based on **Figure 1**, which type of trap is used in toilet under water closet?

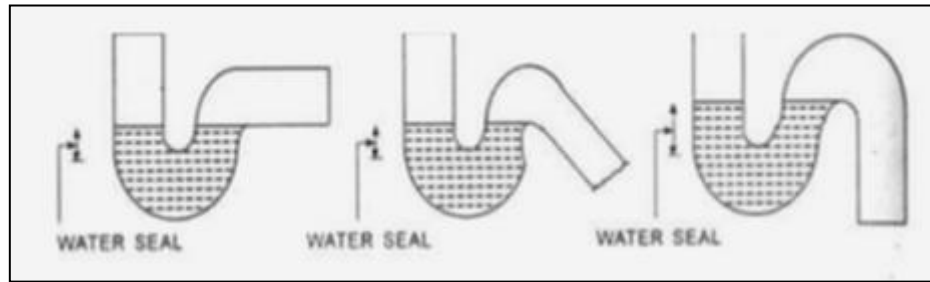


Figure 1

- A P - Trap
 - B Q - Trap
 - C R - Trap
 - D S - Trap
7. Principle objectives in maintenance to achieve _____ through adjusted and serviced equipment.
- A product quality and customer satisfaction
 - B product quantity and customer satisfaction
 - C branded product and customer satisfaction
 - D expensive product and customer satisfaction
8. 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

9. Figure 2 in the circle below is best described as _____.

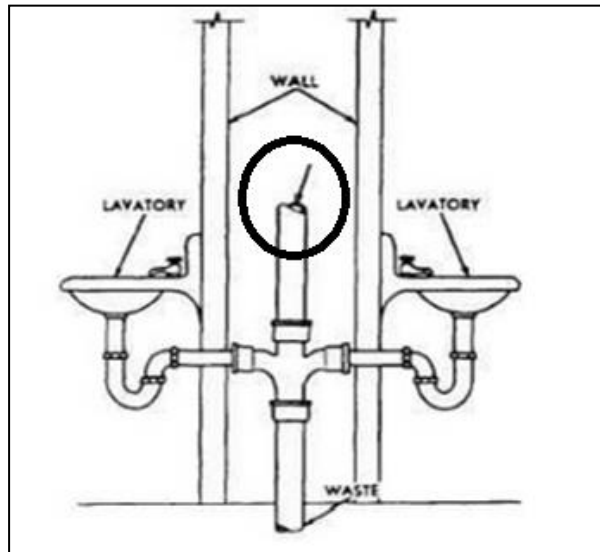


Figure 2

- A trap
- B bent
- C vent pipe
- D rainwater pipe

10. Which of the following equipments can control the room temperature when an aircond is used?

- A Hot coil
- B Compressor
- C Control unit
- D Expansion valve

[10 MARKS]

PART B

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

Answer ALL questions in the Answering Booklet.

QUESTION 1

a. Compare the word “safety” and “health” in term of Occupational Safety And Health Administration (OSHA).

(2 marks)

b. As a safety officer, explain **four (4)** major safety terminologies in order to assist with the task in your scope of work.

(8 marks)

QUESTION 2

a. Show **four (4)** bad impacts of weak design in facilities management.

(4 marks)

b. Prepare **five (5)** role, cost and management of hospitality concerns.

(10 marks)

QUESTION 3

a. 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.

Show **three (3)** importance of maintenance in the company.

(6 marks)

- b. Many maintenance departments today “fight fires” instead of approaching their problems systematically. Prevention is a far better goal than trying to solve problems as they arise.

Classify **five (5)** problems in maintenance.

(10 marks)

QUESTION 4

A trap is a depressed or bent sanitary fitting which always remains full of water (water seal).

- a. Show benefits of traps in plumbing system.

(2 marks)

- b. The function of a trap is to prevent the entry of bad smelling gases into the house.

Sketch **three (3)** types of traps with explanations of their function.

(10 marks)

QUESTION 5

- a. Classify **four (4)** characteristics in strategic facility plans.

(8 marks)

- b. Prepare **five (5)** services provided by professionals to make a strategic facility plans.

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

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

[20 MARKS]**END OF QUESTION**