



**KOLEJ YAYASAN PELAJARAN JOHOR
FINAL EXAMINATION**

COURSE NAME : OSHA AND FACILITIES MANAGEMENT
COURSE CODE : DHM 2093
EXAMINATION : APRIL 2018
DURATION : 3 HOURS

INSTRUCTION TO CANDIDATES

1. This examination paper consists of **THREE(3)**:
PART A (20 Marks)
PART B (60 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 consist of:
 - i. Question Paper
 - ii. Objective Answer Paper
 - iii. Answer Booklet

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

*This examination paper consists of **11** printed pages including front page*

PART A

This part contains of **TWENTY(20)** 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 term is important to an emergency preparedness and response arrangements?
 - A Policy
 - B Evaluation
 - ~~C Organizing~~
 - D Planning and implementation

4. What are the penalty if the employer who fail to ensure safety, health and welfare of employees at the workplace?
 - A RM10,000 or to imprisonment not exceeding one year or to both.
 - B RM30,000 or to imprisonment not exceeding two years or to both.
 - C RM50,000 or to imprisonment not exceeding two years or to both.
 - D RM40,000 or to imprisonment not exceeding one year or to both.

5. List below is **not used** for personal protective as a chef.
- A Apron
 - B Face mask
 - C Safety boot
 - D Latex glove
6. What are should be inspected for cracks (even hairline cracks), signs of impact or rough treatment and wear before the workers use it?
- A Apron
 - B Shoes
 - C Helmets
 - D Face mask
7. The shipped containers must be labeled with list below **except**?
- A Pictogram
 - B Product identifier
 - C Hazard statement
 - D Classification by colour
8. The concepts of power source for the power tools can be classifications as below **except**?
- A Solar
 - B Electric
 - C Pneumatic
 - D Power actuated
9. What is the maximum temperature to fire produce an intense heat?
- A 1560⁰ Farad
 - B 1200⁰ Farad
 - C 1050⁰ Farad
 - D 1000⁰ Farad

10. The following statement which are **false** for types of fire extinguisher.

- A Type A - for wood, cardboard, and paper.
- B Type B - for flammable liquids and grease.
- C Type C - for stones.
- D Type D - for combustible metals.

11. The list below is **not refer** to utility account.

- A Fuel
- B Food
- C Water
- D Electricity

12. Which is **not included** for cost of renovation account?

- A Safety
- B Technology
- C Legal and regulatory compliance
- D Replacement of building components

13. The following is **not refer** to bird control.

- A Use netting
- B Use UV light
- C Landscape plants
- D Eliminate nesting side

14. The list below is refer to scheduled maintenance **except**?

- A Overhauling of machines.
- B Cleaning of water and other tanks.
- C Changing of heavy equipments oils.
- D Machines adjustment, repair or overhaul.

15. The type of trap as Figure 1 was used in toilet under water closet.

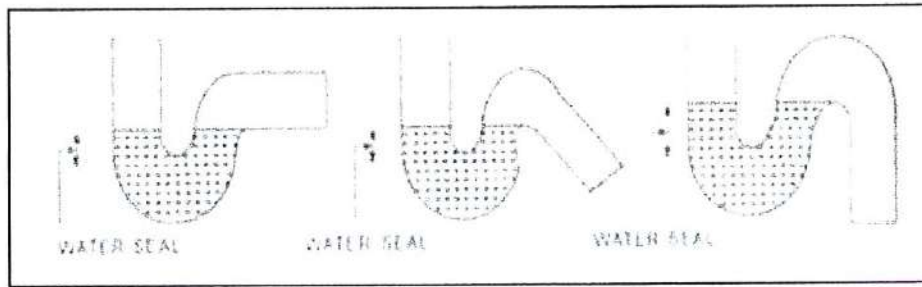


Figure 1

- A P - Trap
- B Q - Trap
- C R - Trap
- D S - Trap

16. Which is **not refer** as the type of drainage?

- A Deep serous
- B Deep infection
- C Superficial infection
- D Distribution serous

17. Name the part of building which a basically a long cylinder of a strong material such as concrete that pushed into the ground.

- A Plaster Board
- B Vapour Barrier
- C Pile foundations
- D Shallow foundations

18. Which part of building can support the outside walls, ceiling joints and interior bearing walls?

- A Roofs
- B Buildings
- C Cavity walls
- D Foundations

19. The equipment below can control the temperature of room when aircond is used.

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

20. The list below is refer to way to control heat in building **except**?

- A Break thermal bridges
- B Control condensation
- C Disrupt convective loops
- D Control with plaster board

[20 MARKS]

PART B

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

Answer ALL questions in the Answer Booklet.

QUESTION 1

Identify **three (3)** major safety terminologies with their explanation.

(6 Marks)

QUESTION 2

Occupational Health & Safety and Management System (OHS-MS) is a set of plans, actions and procedures that assist an organization to systematically manage health and safety risk associated with their business. Schedule **six (6)** steps in OSH-MS System Model with the example by using the flow chart.

(6 Marks)

QUESTION 3

In your own words, demonstrate **six (6)** contents of the activity or programs that can be include in PPE training for the kitchen safety.

(6 Marks)

QUESTION 4

Power tools can be operated by using electric source. Give **three (3)** the general electric hazard and **three (3)** the general safety precaution for equipment by electric source.

(6 Marks)

QUESTION 5

Work zone traffic creates serious hazards for motorists and workers. Positively guiding traffic through the complex work zone is the key to safety. Explain briefly **three (3)** innovative technologies for hazard control around you as long as you are on the road.

(6 Marks)

QUESTION 6

“Facility Management” is a profession that encompasses multiple disciplines to ensure functionality of the built environment by integrating people, place, process and technology. Discuss **six (6)** competencies for the role, cost and management of hospitality facilities to achieve the “Facilities Management”.

(6 Marks)

QUESTION 7

You have been appointed as hotel housekeeping supervisor. Your workplace always constantly exposed to cockroaches and insect. Prepare **six (6)** solutions show to control the situation.

(6 Marks)

QUESTION 8

i. Give solution how to prevent the entry of bad smelling gases into the house. Define the definition.

(2 Marks)

ii. Explain briefly **two (2)** the types refer to answer in 8 (i) by using the correct figure.

(4 Marks)

QUESTION 9

Many names are used in reference to the different types of facility plans discussed by architects, interior designers, consultants and in-house managers. Discuss with briefly **three (3)** services provided by professionals to Strategic Facility Plans.

(6 Marks)

QUESTION 10

In physic, heat is energy as it spontaneously passes between systems with surrounding. Explain **three (3)** ways to control heat in building.

(6 Marks)

[60 MARKS]

PART C

This part contains of **TWO(2)** questions. Answer **ONE(1)** questions only.

Answer the questions in the Answer Booklet.

QUESTION 1

Workplace safety is essential for providing a (safe environment in which employees) can work with minimal risk to their health. On-the-job accidents can cause injuries and death. Preventing these accidents requires the effort of all employees in the organization. Numerous workplaces of risks exist, including dangers resulting from human errors and mechanical malfunctions. An organization must use a combination of safety training or safety protocols to prevent as many employee injuries as possible.

REQUIRED

- a. By using table, you need matched **five (5)** the works hazard with a suitable **five (5)** the safety training or safety protocols in the kitchen department for the hotel industry.

(10 Marks)

- b. Explain **ten (10)** obligations of the employer's towards the employees in the kitchen department for the hotel industry.

(10 Marks)

[20 MARKS]

QUESTION 2

Man killed, two injured in early morning road crash near Nilai**By Mohd Ikhwan Jamaludin - July 2, 2017 @ 2:09pm**

NILAI: A 27-year old man was killed while another two men were injured in a road accident at KM285.4 of the North South Highway near the Nilai toll exit at 1am this morning.

District police chief Superintendent Zaldino Zaludin said the deceased was identified as Choo Han Peng while his passenger was identified as Eben Ting ik Peng, 35.

The accident occurred when the Toyota Unser, driven by Choo, was believed to have abruptly switched lanes at high speed from the second to the third lane of the four-lane highway.

This caused a Proton Perdana driven by Ng Xin Qiang, 35, to collide with Choo's car from behind and as a result both drivers lost control of their respective vehicles and crashed to the side of the highway.

Due to the impact, Choo was killed on the spot while Ng suffered injuries to his right hand and was warded at the Chinese Maternity Hospital in Seremban.

Meanwhile, Eben was warded at the Tuanku Ja'afar Hospital, Seremban. Choo's remains was also sent to the same hospital for post mortem.

REQUIRED

- a. Explain **ten (10)** the possibilities that cause the road accident refer the newspaper sections.

(10 Marks)

- b. By relating the causes of an accident occurring as above, discuss **ten (10)** the preventive measures that can be apply to prevent the road accident occurring.

(10 Marks)

[20 MARKS]

END OF QUESTION PAPER

