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**KOLEJ YAYASAN PELAJARAN JOHOR  
FINAL EXAMINATION**

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<b>COURSE</b>	<b>:</b>	<b>OSHA AND FACILITIES MANAGEMENT</b>
<b>COURSE CODE</b>	<b>:</b>	<b>DHM 2093</b>
<b>EXAMINATION</b>	<b>:</b>	<b>NOVEMBER 2016</b>
<b>TIME / DURATION</b>	<b>:</b>	<b>3 HOURS</b>

**INSTRUCTION TO CANDIDATES**

1. This examination paper consists of **FOUR (4) PARTS**:
  - PART A (15 marks)
  - PART B (40 marks)
  - PART C (30 marks)
  - PART D (15 marks)
2. Answer **ALL** questions.
3. Candidates are not allowed to bring any material to examination room **EXCEPT** with the permission from invigilator.
4. Please check to make sure that this examination pack consist of:
  - i. Question paper
  - ii. OMR form
  - iii. Answering Booklet

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**THERE ARE TEN (10) PAGES OF QUESTIONS, INCLUDING THIS PAGE**

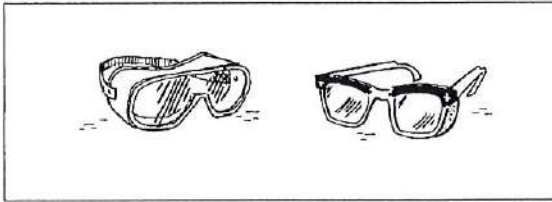
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**PART A (TOTAL: 15 MARKS)****MULTIPLE CHOICE QUESTIONS****INSTRUCTION: ANSWER ALL QUESTION IN OMR FORM**

1. Factories and Machinery Act \_\_\_\_\_ was approved by the Malaysia.
  - A. 1957
  - B. 1963
  - C. 1970
  - D. 1983
  
2. Importance of safety in the workplace EXCEPT:
  - A. Employees can remain motivated if they feel safe and happy.
  - B. Formation and implementation of safety programs that are meant to teach the employees to handle risks.
  - C. Violence at workplace.
  - D. The view at workplace was very nice.
  
3. \_\_\_\_\_ as a whole is responsible for OSH.
  - A. Workers
  - B. Employees
  - C. Management
  - D. Assistant Manager
  
4. The employer should form the Safety and Health Committee at the workplace when there are \_\_\_\_\_ or more employees in the workplace
  - A. 40
  - B. 50
  - C. 60
  - D. 70

5. Based on the pictures below, choose the answer with the correct function of PPE and life saving equipment for \_\_\_\_\_ protection.

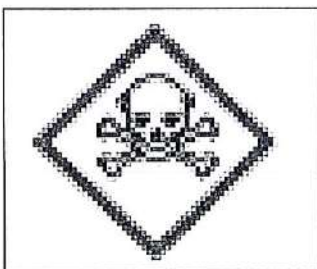


- A. hand
- B. head
- C. eye
- D. body

6. A worker has large hands; he just used the last pair of large gloves in the box. He looked everywhere and there are no large gloves available. Which action(s) should he take?

- A. He should carry out the activity without gloves.
- B. He should report he 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.

7. Based on the pictures below, choose the answer with the correct pictograms related to hazard occurred.



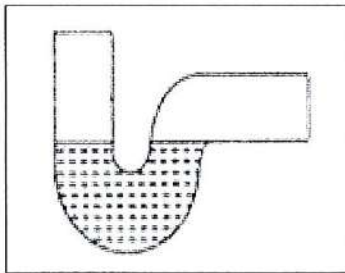
- A. Skull and crossbones
- B. Respiratory hazard
- C. Heard hazard
- D. Biological hazard

8. The following statement is a General Safety Precautions for Power Tools EXCEPT:
- A. Avoid accidental starting.
  - B. Always connect tools either use or not in use.
  - C. Never carry a tool by the cord or hose.
  - D. Keep cords and hoses away from heat, oil, and sharp edges.
9. \_\_\_\_\_ - Used only where an immediate hazard exists.
- A. Exit signs
  - B. Emergency signs
  - C. Danger signs
  - D. Caution signs
10. \_\_\_\_\_ - temporary signs, usually attached to a piece of equipment, to warn of existing or immediate hazards.
- A. Tags
  - B. Symbols
  - C. Procedures
  - D. Direction
11. The list below is refer to POM account EXCEPT?
- A. Beverage cost
  - B. Fringe benefits
  - C. Supplies and expendables
  - D. Contract maintenance

12. Principle objectives in maintenance to achieve \_\_\_\_\_ through adjusted and serviced equipment

- A. product quantity and customer satisfaction
- B. product quality and customer satisfaction
- C. branded product and customer satisfaction
- D. expensive product and customer satisfaction

13. The figure below is best described as \_\_\_\_\_.

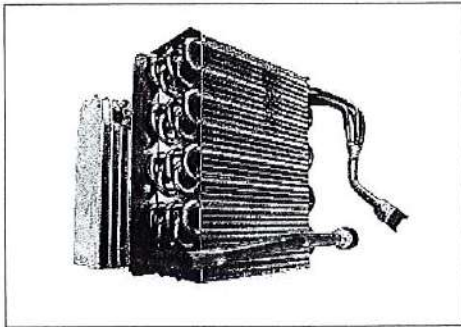


- A. P trap
- B. Q trap
- C. S trap
- D. bowl trap

14. A \_\_\_\_\_ is basically a long cylinder of a strong material such as concrete that is pushed into the ground so that structures can be supported on top of it.

- A. pile
- B. foundation
- C. cavity wall
- D. roof

15. The figure below is a part of air conditioner namely as \_\_\_\_\_.



- A. compressor
- B. expansion valve
- C. hot coil
- D. control unit



**PART B (TOTAL: 40 MARKS)****INSTRUCTION: ANSWER ALL QUESTIONS IN ANSWERING BOOKLET.****Question 1**

Define the facility management and state only ONE (1) facility management approach.

(3 Marks)

**Question 2**

List THREE (3) objectives of Occupational Safety &amp; Health.

(3 Marks)

**Question 3**

Explain THREE (3) on OSH- MSH 172 Standard Requirements.

(3 Marks)

**Question 4**

List THREE (3) of pictograms with their figure.

(3 Marks)

**Question 5**

Explain FOUR (4) ways on how material handling safety can be made.

(4 Marks)

**Question 6**

Discuss FOUR (4) competencies for the role, cost and management of hospitality facilities.

(8 Marks)

**Question 7**

Define function of vent pipe and illustrate the vent pipe.

(4 Marks)

**Question 8**

Give meaning of traps and explain by show the figure for all traps.

(5 Marks)



**Question 9**

Define about the cavity wall and write only ONE (1) factor considerations for cavity wall.

(3 Marks)

**Question 10**

Define an air conditioner and list TWO (2) component of an air conditioner.

(4 Marks)

**PART C (TOTAL: 30 MARKS)**

**INSTRUCTION: ANSWER ALL QUESTIONS IN ANSWERING BOOKLET.**

**Question 1**

Classify the part of whole body with their personal protective equipment.

(6 Marks)

**Question 2**

Classify only THREE (3) innovative technologies for hazard control with their function.

(6 Marks)

**Question 3**

You have been appointed as maintenance engineer for Kong Kong Sdn Bhd. Classify the types of maintenance that can you apply for you position.

(8 Marks)

**Question 4**

Explain when a pile foundation has constructing

(5 Marks)

**Question 5**

Illustrate for a chilled coil (on the inside) system in an air conditioner.

(5 Marks)

**PART D (TOTAL: 15 MARKS)****INSTRUCTION: ANSWER ONLY ONE (1) QUESTION IN ANSWERING BOOKLET.****Question 1**

**Title** : Accused failed to provide a written statement about the safety and health of workers

**Place** : Company premises, Johor Bahru

**Date** : Jun 23, 2016

**Summary case:**

Alpha Company has been accused of failing to provide a written statement about the safety and health of his workers when they carry out their work at the company's premises. Therefore, the company was found guilty of committing an offense under Section 16 of the Health Act 1994 Occupational Safety and Health Act.

Based on the case, state action that may be imposed on the company and state the measures that can be taken for the company to protect their workers.

(15 Marks)

**Question 2**

**Title** : Exposed electric shock

**Place** : Factory, Kedah Darul Aman

**Date** : August 21, 2016

**Summary accident:**

A factory worker was killed after being electrocuted while painting the motor running Bruckner stenter machine and cleaning work in the factory wall and Bruckner stenter machine. The victim

was making the cleaning of the walls of the plant and machinery Bruckner stenter. While making cleanup victim was holding an iron bar in contact with electrical wires, causing the victim was electrocuted. The victim was rushed to the Kulim Hospital and pronounced dead by the hospital. Based on the above summary of the accident, describe the factors that cause accidents and specify the steps that can be done to solve the problem.

(15 Marks)

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**END OF QUESTIONS**

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