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**KOLEJ YAYASAN PELAJARAN JOHOR  
FINAL EXAMINATION**

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**COURSE NAME : OSHA AND FACILITIES MANAGEMENT**  
**COURSE CODE : DHM 2093**  
**EXAMINATION : OCTOBER 2019**  
**DURATION : 3 HOURS**

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**INSTRUCTION TO CANDIDATES**

1. This examination paper consists of **THREE(3) PARTS:**  
PART A (15 marks)  
PART B (70 marks)  
PART C (15 marks)
2. Answer **ALL** questions.
3. Candidates are not allowed to bring any material to examination room except with the permission from the invigilator.
4. Please check to make sure that this examination pack consist of:
  - i. Question Paper
  - ii. OMR form
  - iii. Answer Booklet

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

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This examination paper consists of 9 printed pages including front page

# MEMORANDUM

TO : [Illegible]

FROM : [Illegible]

SUBJECT : [Illegible]

[Illegible]

[Illegible]

[Illegible]

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**PART A****INSTRUCTION: ANSWER ALL QUESTIONS IN OMR FORM**

1. Factories and Machinery Act was approved in Malaysia in:
  - A 1957
  - B 1963
  - C 1970
  - D 1983
  
2. Which of the following is referring to an accident?
  - A The exposed danger, a condition or practice with potential for loss.
  - B A situation that may give rise to personal injury or asset damage or both.
  - C An unplanned unexpected event which may result in loss, injury or damage.
  - D An incident, which does not show a visible result, but had the potential to do so.
  
3. Terms of PDCA are a part of component in Quality Management System. What does PDCA stand for?
  - A Plan, Do, Check and Act
  - B Purpose, Do, Choose and Act
  - C Plan, Don't, Check and Apply
  - D Purpose, Do, Change and Act
  
4. How many employees must be in a company to form a Safety and Health Committee?
  - A 40 workers and more
  - B 50 workers and more
  - C 60 workers and more
  - D 70 workers and more

5. A worker has large hands and he just used the last pair of large gloves in the box. He looked everywhere and there are no large gloves available. Which action should he take?
- A He should carry out the activity without gloves.
  - B He should report his 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.
6. Which material is used for paint spraying work?
- A PVC
  - B Latex
  - C Nylon
  - D Rubber
7. Which statement is **true** about classification of Flame over Circle?
- A **Class 1:** An oxidizing material that can undergo an explosive reaction when catalyzed or exposed to heat, shock or friction.
  - B **Class 2:** An oxidizing material that will moderately increase the burning rate or which may cause spontaneous ignition of combustible material with which it comes in contact.
  - C **Class 3:** An oxidizing material whose primary hazard is that it may increase the burning rate of combustible material with which it comes in contact.
  - D **Class 4:** An oxidizing material that will cause a severe increase in the burning rate of combustible material with which it comes in contact or which will undergo vigorous self-sustained decomposition when catalyzed or exposed to heat.

8. The following statements are General Safety Precautions for Power Tools **except**
- A avoid accidental starting.
  - B not connect tools when not in use.
  - C never carry a tool by the cord or hose.
  - D always keep cords and hoses near from heat, oil, and sharp edges.
9. What are innovative technologies used to allow truck drivers to lower their speed in advance of work zone?
- A Stop paddles
  - B CB wizard alerts system
  - C Radar-triggered speed displays
  - D Light guard lighted raised pavement markers
10. Which of the following does **not refer** to Principle of POM (Property, Operation and Maintenance) account?
- A Beverage cost
  - B Fringe benefits
  - C Contract maintenance
  - D Supplies and expendables
11. Which of the following does **not refer** to the role, cost and management in hospitality facilities concerns?
- A Quantity
  - B Layout material
  - C Facility components
  - D Types of constructions
12. Which of the following is **not** a type of maintenance?
- A Predictive Maintenance
  - B Corrective Maintenance
  - C Scheduled Maintenance
  - D Conductive Maintenance

13. Which system is installed for the purpose of ventilation?
- A Bent
  - B Drainage
  - C Vent pipe
  - D Direct water
14. Which of the following objects is a long cylinder of a strong material such as concrete that are pushed into the ground?
- A Pile
  - B Roof
  - C Cavity wall
  - D Foundation
15. Which of the following does **not refer** to the ways to control heat in building?
- A Break thermal bridges
  - B Dicrupt convective loops
  - C Disturb conduction circles
  - D Control condensation caused by air leakage

[15 MARKS]

**PART B****INSTRUCTION: ANSWER ALL QUESTIONS IN THE ANSWER BOOKLET****QUESTION 1**

a) As a safety officer, define **three (3)** importance of OSHA in the workplace.

**(6 Marks)**

b) As a company that is concerned with occupational safety and health, the management must establish a department related to the matter. List **four (4)** objectives of OSHA 1994.

**(8 Marks)**

**QUESTION 2**

a) Occupational Health and Safety Management System is used to control the risk in the work place by following the policy. Based on your understanding, illustrate the model for OHSAS 18001:2007 Standard.

**(6 Marks)**

b) Policy is a statement of the principles governing decision making. Policy can only be changed by the management and is mandatory.

Explain **four (4)** commitments to ensure the safety and health was done in your company if you are the Department Manager of management.

**(8 marks)**

**QUESTION 3**

a) As a supervisor at department of kitchen, give **three (3)** suitable personal protective equipments for your workers.

**(6 Marks)**

b) A worker needs to undergo a day of safety training to expose them with hazard and Personal Protective Equipment (PPE). As a trainer, explain **four (4)** activities of safety training that can be explained to your trainee.

**(8 Marks)**

**QUESTION 4**

a) Basic Fire Fighting Training is a basic level training that can teach workers about how fire is created, spread and controlled. This course will instruct broad respect for fire and make workers aware of fire risks. Explain **three (3)** requirements throughout activities for the of basic Fire Fighting Training as required by OSHA.

**(6 marks)**

b) Malaysia is a country with a record high accidents in the world. There are many factors which cause accidents on roads in Malaysia. One of the reasons is the dark road and geographical factor in Malaysia. Give **four (4)** things related to technology that is capable of solving this problem and as hazard control.

**(8 Marks)**



**QUESTION 5**

a) You have been appointed as a maintenance engineer for P.E Eratech Technologies Sdn Bhd.

Prepare **three (3)** types of maintenance that can be applied for P.E Eratech Technologies company.

**(6 Marks)**

b) Maintenance can increase the availability of a system and keep system's equipment in working order.

State **four (4)** advantages when doing preventive maintenance in your company.

**(8 Marks)**

**[70 MARKS]**

**PART C****INSTRUCTION: ANSWER THE QUESTION IN THE ANSWER BOOKLET****QUESTION**

The housekeeping department, in any hotel business, contributes to major amount of profit though it is considered as an ancillary service. The simple reason being, a customer demands a clean, tidy, and pleasing ambience. Housekeeping generates the first impression on a guest's mind. The housekeeping efforts clearly show how the hotel will take care of its guests. Housekeeping means performing all the duties towards cleaning, maintaining orderliness, and running a house or a business property. In case of hotels, the housekeeping duties involve maintaining the hotel to the best possible state in terms of cleanliness, and keeping it at highly desirable ambience.

**REQUIRED**

- a. Explain **five (5)** housekeepers' responsibilities towards safety of the housekeeping department.
- b. Using a table, match **five (5)** work hazards with **five (5)** suitable preventions in the housekeeping department.

**(5 Marks)****(10 Marks)****[15 MARKS]****END OF QUESTION**