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FINAL EXAMINATION

COURSE	:	OSHA AND FACILITIES MANAGEMENT
COURSE CODE	:	DHM 2093
EXAMINATION	:	APRIL 2016
TIME / DURATION	:	3 HOURS

INSTRUCTION TO CANDIDATES

1. This examination paper consists of **FOUR (4) PARTS**:
 - PART A (15 marks)
 - PART B (15 marks)
 - PART C (40 marks)
 - PART D (30 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

THERE ARE ELEVEN (11) PAGES OF QUESTIONS, INCLUDING THIS PAGE

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

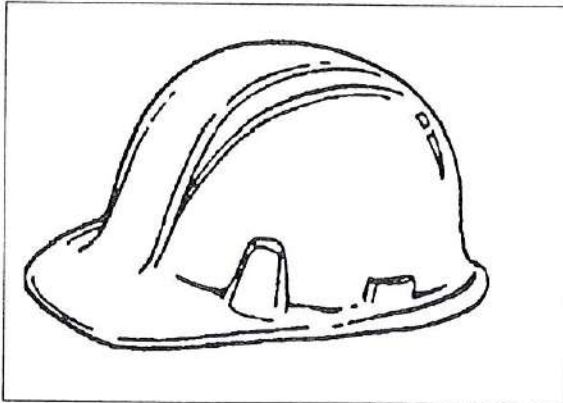
1. Occupational Safety and Health Act (OSHA) was enacted in:
 - A. 1943
 - B. 1957
 - C. 1967
 - D. 1994

2. OSHA 1994 emphasis on
 - A. safety in the workplace.
 - B. health hazard in the workplace.
 - C. machinery maintenance in the workplace.
 - D. facilities insurance in the workplace.

3. _____ is a statement of the principles governing decision making.
 - A. Evaluation
 - B. Planning and implementation
 - C. Policy
 - D. Organizing

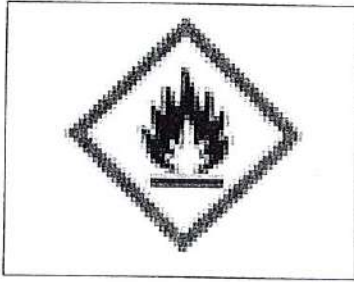
4. What are the penalty if the employer who fail to ensure safety, health and welfare of employees at the workplace?
 - A. RM10,000 or to imprisonment not exceeding one year or to both.
 - B. RM30,000 or to imprisonment not exceeding two years or to both.
 - C. RM50,000 or to imprisonment not exceeding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

5. 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. face
 - D. body
6. PPE related training must cover the following items EXCEPT?
- A. When and what kind of PPE is necessary.
 - B. How to properly adjust, wear, maintain and dispose of PPE.
 - C. The limitation of the PPE.
 - D. The brand name of the PPE.

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



- A. Flame
 - B. Flame over circle
 - C. Flame burst
 - D. Flame within circle
8. The list below is refer to hand tools EXCEPT?
- A. Hammers
 - B. Saws
 - C. Grinders
 - D. Spades
9. "Never using flammable and combustible liquids within _____ feet of open flames and ignition sources"
- A. 20
 - B. 30
 - C. 40
 - D. 50
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

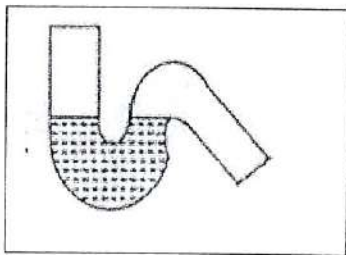
11. The list below is refer to utility account EXCEPT?

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

12. Crows can be categorized as _____ type of pest.

- A. insect
- B. rodents
- C. birds
- D. other mammals

13. The figure below is best described as _____.

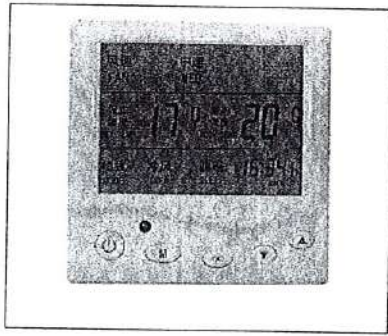


- A. P trap
- B. Q trap
- C. S trap
- D. bowl trap

14. Buildings come in a variety of the item EXCEPT?

- A. Shapes.
- B. Sizes.
- C. Functions.
- D. Materials.

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



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

PART B (TOTAL: 15 MARKS)

INSTRUCTION: ANSWER ALL QUESTION IN ANSWERING BOOKLET AS T FOR TRUE OR F FOR FALSE.

	QUESTION	T / F True/False
1	Manual Handling - Any means of transporting or supporting a load manually. Lift, putting down, pushing, pulling, carrying or moving by hand of bodily force.	
2	Code of Practice -The study of relationship between workers and their occupation, equipment and environment and particularly, the application of physiological and psychological knowledge to the problems arising there form.	
3	An Occupational Health & Safety and Management System (OHSMS) is a set of plans, actions and procedures that assist an organization to systematically manage health and safety risk associated with their business.	
4	Employers are required to develop an in-house program under which employees must have a permit to enter confined spaces.	
5	PPE must be certified products to ensure acceptable level of protection from hazards.	
6	Safety goggles can protect the head from the force of	

	impact of falling objects or from electric shock.	
7	For material handling safety, workers must be trained, evaluated & licensed.	
8	Power tools can operated without external power.	
9	At least one per floor and one next to stairway for fire extinguisher requirements.	
10	Lane drop arrows can alert driver in advance of lane closure.	
11	Lifetime is including for equipment concerns.	
12	Losses of output are part of maintenance costs.	
13	Rain water pipe is carrying only rainwater from the roof tops.	
14	Naturally after a new house is built it settles and some small surface cracks can appear in the plaster or dry lining.	
15	An air conditioner is different with a refrigerator without the insulated box.	

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

State THREE (3) objectives for OSHA 1994.

(3 Marks)

Question 2

Define an Occupational Health and Safety and Management System (OHS Management System) and give only ONE (1) example for input step in OSH-MS System Model.

(3 Marks)

Question 3

Explain THREE (3) the obligations of the employers towards the employees.

(3 Marks)

Question 4

List THREE (3) benefits of adopting hazard communication.

(3 Marks)

Question 5

Explain meaning of hand tools and power tools and give only TWO (2) for power sources of power tools.

(4 Marks)

Question 6

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

(8 Marks)

Question 7

Define a rainwater pipe and give TWO (2) advantages of rainwater pipes?

(4 Marks)

Question 8

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

(5 Marks)

Question 9

Define about the foundations and list types of foundations.

(3 Marks)

Question 10

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

(4 Marks)

PART D (TOTAL: 30 MARKS)**INSTRUCTION: ANSWER ALL QUESTIONS IN ANSWERING BOOKLET.****Question 1**

In your own words, what is problem of using personal protective equipment (PPE).

(6 Marks)

Question 2

As a supervisor in Baiduri Consultation Sdn Bhd, show steps how you can handle when situation a fire occurred in your workplace and before you want fighting a fire.

(6 Marks)

Question 3

You have been appointed as hotel housekeeping supervisor. Your workplace always constantly exposed to cockroaches and insect. Show how to control the situation.

(8 Marks)

Question 4

Explain how a cavity wall is built and illustrate the internal wall insulation.

(5 Marks)

Question 5

Illustrate a system for hot coil system in an air conditioner.

(5 Marks)

END OF QUESTIONS
