



**UNIVERSITI KUALA LUMPUR
ROYAL COLLEGE OF MEDICINE PERAK**

**FINAL EXAMINATION
MARCH SEMESTER 2026**

COURSE CODE : RXD13102
COURSE NAME : FUNDAMENTAL OF OCCUPATIONAL SAFETY AND HEALTH
PROGRAMME NAME : DIPLOMA IN MEDICAL IMAGING
DATE : 30 JUNE 2026
TIME : 9.00 A.M – 10.30 A.M
DURATION : 1 HOUR 30 MINUTES

INSTRUCTIONS TO CANDIDATES

1. Please read **CAREFULLY** the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. This question paper consists of **TWO (2)** section; Section A and Section B.
4. Answer **ALL** questions in Section A. For Section B, answer **THREE (3)** questions **ONLY**.
5. Please mark/write your answers on the OMR answer script or answer booklet provided.
6. Answer **ALL** questions in English language **ONLY**.

THERE ARE 6 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A : MULTIPLE CHOICE QUESTIONS (Total: 15 marks)**INSTRUCTION: Answer ALL questions.****Please use the objective answer sheet provided.**

1. When was the Occupational Safety and Health Act (OSHA) gazetted?
 - A. 9th May 1957
 - B. 31st August 1957
 - C. 24th February 1994
 - D. 13th October 1994

2. **“An employer fails to provide gloves for handling chemicals.”**
Which OSHA 1994 requirement is violated?
 - A. Training
 - B. Personal protective equipment (PPE) provision
 - C. Risk assessment
 - D. Record-keeping

3. What is the required time frame for reporting a dangerous occurrence under OSHA 1994?
 - A. Within 30 days.
 - B. Only during safety inspections.
 - C. Immediately after identification.
 - D. When the annual report is due.

4. Who is responsible for ensuring occupational safety and health (OSH) at workplace?
 - I. Employer
 - II. Employee
 - III. Self-employed worker
 - IV. Supplier

A. I, II, and III B. I, II, and IV	C. I, III, and IV D. II, III, and IV
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5. Recognise the profession that is not covered by OSHA 1994.

- A. Nurses
- B. Armed forces
- C. Engineers
- D. Lawyers

6. Identify the signage below:



- A. Corrosive
- B. Explosive
- C. Oxidising
- D. Flammable

7. Identify the condition that caused by chronic stress.

- A. Insomnia
- B. High blood pressure
- C. Lost of appetite
- D. Feeling of sadness

8. Select signs of job burnout:

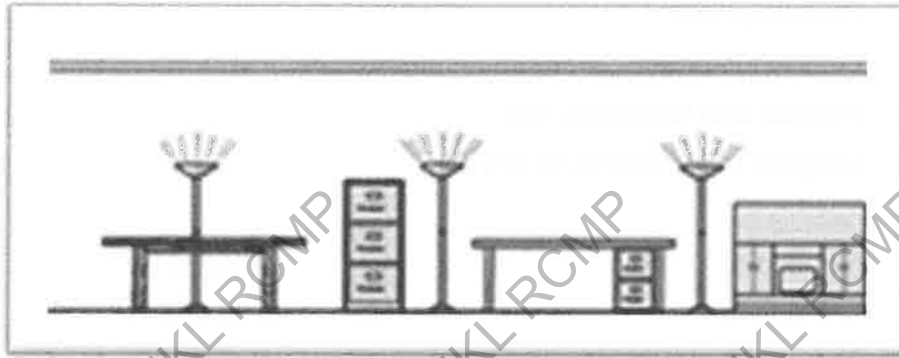
- I. Chronic fatigue
- II. Increased mistakes
- III. Lack of concentration
- IV. Improved work performance

- | | |
|-------------------|--------------------|
| A. I, II, and III | C. I, III, and IV |
| B. I, II, and IV | D. II, III, and IV |

9. Identify the cause of role ambiguity in workplace.

- A. Flexible working hours
- B. Excessive teamwork
- C. High salary packages
- D. Unclear job expectations

10. Recognise the lighting system in the diagram below:



- A. General lighting
- B. Localised lighting
- C. Spot lighting
- D. Ambient lighting

11. Recognise the purposes of good lighting in a workplace:

- I. Improve work performance
- II. Improve accuracy in work
- III. Provide good ventilation
- IV. Recude risk of occupational accident

- A. I, II, and III
- B. I, II, and IV
- C. I, III, and IV
- D. II, III, and IV

12. Which of the following are effective solutions to reduce repetitive motion injuries in a workplace?

- I. Take stretch pauses
- II. Increasing work speed
- III. Rotate the task with co-workers
- IV. Change hand or motions frequently

- A. I, II, and III
- B. I, II, and IV
- C. I, III, and IV
- D. II, III, and IV

13. Identify the elements that are shown in an evacuation map?
- I. Assembly area
 - II. Location to hide
 - III. Primary and secondary exit
 - IV. Location of fire extinguishers
- A. I, II, and III C. I, III, and IV
B. I, II, and IV D. II, III, and IV
14. Identify the three essential elements required for a fire to start and spread.
- A. Water, wind, and wood
 - B. Heat, oxygen, and fuel
 - C. Smoke, ash, and flames
 - D. Electricity, gas, and spark
15. What type of fire is classified as Class K in fire safety standard?
- A. Combustible metals
 - B. Cooking oils and greases
 - C. Flammable liquids and gases
 - D. Energised electrical equipment

SECTION B : MODIFIED ESSAY QUESTIONS (Total: 60 marks)

INSTRUCTION: This section consists of **FOUR (4)** modified essay questions (MEQ).
You are required to answer **ONLY THREE (3)** questions in the answer booklet provided.

Question 1

- (a) Identify the facilities that must be provided by employer to the employees at a workplace.
(5 marks)
- (b) Describe individual stress management techniques.
(5 marks)
- (c) List **FIVE (5)** types of biohazardous waste.
(5 marks)
- (d) State **FIVE (5)** industries in the first schedule of Occupational Safety and Health Act (OSHA) 1994.
(5 marks)

Question 2

- (a) Describe the correct technique for using a fire extinguisher.
(5 marks)
- (b) Describe **FIVE (5)** methods to prevent electrical hazards in a workplace.
(5 marks)
- (c) Recognise the functions of Department of Occupational Safety and Health (DOSH).
(5 marks)
- (d) Identify **FIVE (5)** factors that can contribute to job burnout.
(5 marks)

Question 3

- (a) Identify **FIVE (5)** organisations in Malaysia that are related to OSHA 1994. (5 marks)
- (b) Explain the concept of stress. (5 marks)
- (c) Recognise **FIVE (5)** effects of dust to human. (5 marks)
- (d) State **FIVE (5)** symptoms of musculoskeletal disorders (MSDs). (5 marks)

Question 4

- (a) Identify **FIVE (5)** ergonomic risk factors in a workplace. (5 marks)
- (b) Explain between health hazard and safety hazard with an example for each type of hazard. (5 marks)
- (c) Identify **FIVE (5)** possible causes of ignition. (5 marks)
- (d) Identify **FIVE (5)** workplaces where hazardous chemical agents might be found. (5 marks)

END OF EXAMINATION PAPER