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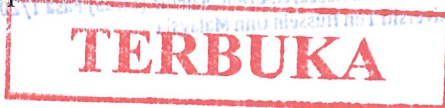
**FINAL EXAMINATION  
SEMESTER I  
SESSION 2017/2018**

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH  
COURSE CODE : BEE 12202  
PROGRAMME CODE : BEV/BEJ  
EXAMINATION DATE : DECEMBER 2017/JANUARY 2018  
DURATION : 2 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF **TEN (10)** PAGES

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- Q1 A hazard analysis can be used to evaluate a potential hazard; what other information should be considered?
- (A) Injury reports
  - (B) Statistical data
  - (C) Risk assessment
  - (D) Fatality investigations
- Q2 Which leadership style will have the most positive effect on subordinate satisfaction for employees who work on stressful, frustrating or dissatisfying tasks?
- (A) Supportive
  - (B) Achievement-Oriented
  - (C) Participative
  - (D) Contingency
- Q3 Which leadership style will help employees to strive for higher standards of performance and have more confidence in their ability to meet challenging needs?
- (A) Directed
  - (B) Achievement-Oriented
  - (C) Participative
  - (D) Performance
- Q4 Which of the following is TRUE concerning goals:
- (A) All of the following are true
  - (B) Employees who are assigned value goals perform better than those employees who are given specific goals
  - (C) Employees given moderately difficult or easily attainable goals perform better than those given high challenging goals
  - (D) Pay and feedback lead to improved performance only when they lead individual employees to set high goals
- Q5 Which of the following are recognized strategies for multi-national companies to use in dealing with the diversity of statutory laws governing it?
- (A) All of the following
  - (B) Lobby to change the laws in each country so they are all the same
  - (C) Make all operations conform to the strictest country law
  - (D) Make operations in each country responsible for compliance with that country's laws
- Q6 Common law differs from statutory law. Which of the following statements is TRUE?
- (A) Statutory law passed by a legislature
  - (B) Statutory law is defined over a period of years by judges
  - (C) Common law refers to a law that is often violated
  - (D) Common law is a statute that amends a state constitution
- Q7 What functional area is typically responsible for functions related to design, construction, standards, and repair?
- (A) Engineering
  - (B) Facilities
  - (C) Logistics
  - (D) Research and Design

A red rectangular stamp with the word "TERBUKA" in bold, red, uppercase letters. The stamp is slightly tilted and has a distressed, ink-like texture.

- Q8 Who are the customers of the occupational safety function?  
(A) All employees in an organization  
(B) All employees in an organization and the community as a whole  
(C) The safety manager, supervisor, peers, and subordinates  
(D) From the CEO-level of management to the line worker
- Q9 Some ways the safety management professional can determine training needs is to:  
(A) All of the following  
(B) Conduct workplace surveys  
(C) Review regularly scheduled inspections for needs  
(D) Conduct an employee opinion survey
- Q10 The terms incidents and injuries are often used interchangeably. Actually the meanings are:  
(A) Synonymous  
(B) Different  
(C) Diametrically opposed  
(D) Identical
- Q11 A tool that enables a team to identify, explore and graphically display the possible causes of an incident or hazardous conditions is:  
(A) A fishbone diagram  
(B) An affinity diagram  
(C) A matrix diagram  
(D) An interrelationship diagram
- Q12 Water is used to extinguish  
(A) Class-A fires  
(B) Class-B fires  
(C) Class-C fires  
(D) All of the above
- Q13 The following class of fire occur in electrical equipment  
(A) Class-A fires  
(B) Class-B fires  
(C) Class-C fires  
(D) All of the above
- Q14 The requirement of a safety system has  
I Safe system at work  
II Safety documentation  
III Appropriate training for staff and student when required  
IV Worker Representative  
(A) I and II only  
(B) I, II and III only  
(C) II, III and IV  
(D) I, II, III and IV



- Q15 Below are the hazards faced at work EXCEPT
- (A) Wearing slippers during loading/unloading goods.
  - (B) Bare wires are not insulated.
  - (C) A tank filled with petro is next to a spot-welding station.
  - (D) The toilet is too dirty to be used.
- Q16 The electric current is safe to be touched with bare hands at:
- (A) 1mA – 5mA
  - (B) 6mA – 15mA
  - (C) 16mA – 30mA
  - (D) 31mA and above
- Q17 In the event of any conflict or inconsistency between the provisions of OSHA 1994 and any other written law pertaining to occupational safety and health, the provisions of OSHA 1994 shall:
- (A) Be ignored.
  - (B) Deal with the company management.
  - (C) Be consistent with the benefit of the insurance company.
  - (D) Prevail and be construed as superseded.
- Q18 As referring to OSHA 1994, the established of the Council is called,
- (A) National Council for Occupational Safety and Health.
  - (B) National Council for Occupational Safety and Welfare.
  - (C) National Council for Occupational Goodness and Fitness.
  - (D) National Council for Occupational Victims and Care.
- Q19 The mission of Occupational Safety and Health Act (OSHA) is to
- (A) Protect the safety and health of the general public.
  - (B) Protect the safety and health of workers.
  - (C) Ensure that all workers receive the federal minimum wage.
  - (D) Ensure that all workers receive adequate workers' compensation payments.
- Q20 Composition of Safe and Health Committees consists of:
- I Chairman
  - II Secretary
  - III Management Representative
  - IV Worker Representative
- (A) I and II only
  - (B) I, II and III only
  - (C) II, III and IV
  - (D) I, II, III and IV
- Q21 Which of the following techniques would be most likely to increase the motivation and satisfaction of people at your working place?
- (A) Job placement
  - (B) Responsibility of workers
  - (C) Satisfaction of workers
  - (D) Job enrichment





- Q22 What are the two main causes of incidents in the workplace?
- (A) Unsafe acts and unsafe people
  - (B) Unsafe people and unsafe machines
  - (C) Unsafe conditions and unsafe machines
  - (D) Unsafe acts and unsafe conditions
- Q23 There are several factors that are often used to determine when an organization should have the services of a full time Safety Professional. Which of the following is generally acknowledged to be the prime-determining factor in assigning safety personnel?
- (A) The incident rate of organization
  - (B) The seriousness of incidents suffered by the organization
  - (C) The potential for serious injuries in the organization
  - (D) The type of industry the organization is involved in
- Q24 The main goal of Worker's Compensation law is to:
- (A) All of the following
  - (B) To give the employee the opportunity to plead his case and speed up the waiting period for just compensation
  - (C) To eliminate negligence and product liability claims
  - (D) Compensate workers for injuries caused by incidents arising out of and in the course of employment
- Q25 Housekeeping requirements for safe construction sites include all of the following EXCEPT:
- (A) Keeping site reasonably dry and clear of debris, scrap and protruding nails
  - (B) Providing containers for the collection and separation of waste, trash, oily rags and any other refuse.
  - (C) Removing combustible scrap at regular intervals
  - (D) Storing all flammable wastes in a barrel or similar container with open top for convenient deposit and frequent removal.
- Q26 Which is the most effective method of reducing contamination to workers?
- (A) PPE
  - (B) Administration controls
  - (C) Fans
  - (D) Engineering controls
- Q27 On the job injuries and illness cost money, time, and effort. What is the most practical way to manage these losses?
- (A) Make sure safety is part of labor contracts
  - (B) Aggressive claims handling
  - (C) Effective safety and loss control programs
  - (D) Good insurance coverage
- Q28 In regard to a safe driving program, management is responsible for which of the following:
- (A) All of the following
  - (B) Developing written standards for driving of company vehicle



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- (C) Conducting regular driver training and requiring immediate reporting and investigation of every incident
  - (D) Having corporate performance goals and keeping driver records
- Q29 Any person who contravenes any of the provision of OSH regulation shall be guilty of an offence and shall be liable to a fine not exceeding \_\_\_\_.
- (A) RM3,000
  - (B) RM5,000
  - (C) RM10,000
  - (D) RM50,000
- Q30 The lighting system failed, causing a short, which resulted in a fire. What class of fires would this be?
- (A) Class A
  - (B) Class B
  - (C) Class C
  - (D) Class D
- Q31 Emergencies can arise in an organization at any time and from many different causes. The best safety management tool for minimizing disaster is to:
- (A) Screen candidates and hire only safe workers
  - (B) Have a written comprehensive management plan
  - (C) Keep in good contact and relations with the local fire department
  - (D) Purchase only safe equipment and materials
- Q32 Under the definition of FMA 1967, the provisions relate to the health include:
- I Keep a clean state and free from offensive effluvia arising from unattended and dirty circumstance sources.
  - II Secure and maintain adequate ventilation by circulation of fresh air.
  - III Deliver good meals every three working hours.
  - IV Issue salary on promised time.
- (A) I and II only
  - (B) I, II and III only
  - (C) II, III and IV
  - (D) I, II, III and IV
- Q33 Under the definition of FMA, 1967, the provisions relate to the safety include:
- I Structurally sound premises to sustain loads.
  - II Handling explosive, inflammable substances.
  - III Prevention for the workers to lift, carry or move any load so heavy as to be likely to cause bodily injury to him.
  - IV Construction, maintenance and safe guard of machineries.
- (A) I and II only
  - (B) I, II and III only
  - (C) II, III and IV
  - (D) I, II, III and IV
- Q34 An Inspector defined under FMA 1967 has the power to:



- I enter, inspect and examine any factory where the premises or/and the machineries might endangered the workers.
- II require the production record, certificates, notices and documents in pursuance of the Act.
- III take samples of any material in or from a factory
- IV demand compensation from the factory.

- (A) I and II only
- (B) I, II and III only
- (C) II, III and IV
- (D) I, II, III and IV

Q35 Factories and Machinery Act 1967 (FMA) is to:

- (A) To provide for the control of factories with respect to matters regarding the safety, health and welfare of person.
- (B) To promote the working efficiency at work.
- (C) To schedule the maintenance of the machine.
- (D) To provide a regulation to protect the machines and the workers.

Q36 It is illegal for a manufacturing company to discharge mercury waste without treatment into the environment. According to which of the following legislation is this true?

- (A) EQA 1974
- (B) OSHA 1994
- (C) FMA 1967
- (D) ISO 14000

Q37 Which of the following is NOT likely direct source of ground water contamination?

- (A) Industrial effluents
- (B) Underground leaks
- (C) Landfill leachate
- (D) Chemical spills

Q38 Company AAA plans to upgrade its waste treatment facility in town BBB. What should the company do?

- I Seek advice from Member of Parliament (MP).
- II State the reason of the upgrade through mass media.
- III Submit Environmental Impact Assessment (EIA) report.
- IV Seek approval from local authorities

- (A) I and II only
- (B) III and IV only
- (C) II, III and IV only
- (D) I, II, III and IV



Q39 How can you help to prevent further environmental degradation?

- I By upgrading your academic qualification.
- II By using green products.
- III By planting more trees.
- IV By using recyclable product.



- (A) I and II only
- (B) III and IV only
- (C) II, III and IV only
- (D) I, II, III and IV

Q40 The objectives of the Malaysia Environmental Policy are:  
I To have a clean, safe, healthy and productive environment.  
II To sustain the lifestyles of Malaysians.  
III To conserve cultural and natural heritage

- (A) I and II only
- (B) II and III only
- (C) I and III only
- (D) I, II and III

Q41 The change of climate will cause the followings, EXCEPT to  
(A) Increase in AIDS patients.  
(B) More lands will be inundated.  
(C) Increase in skin related cancer cases.  
(D) Increase sickness to human

Q42 Which of the following water pollutions is difficult to challenge?  
(A) Wastes disposed by factories  
(B) Wastes from agriculture activities  
(C) Wastes from squatter areas.  
(D) Oil spills from oil tankers.

Q43 The methods of controlling noise pollution are by:  
I Using recyclable product  
II Proper town planning  
III Education  
IV Enforcement by authorities

- (A) I and II only
- (B) III and IV only
- (C) II, III and IV only
- (D) I, II, III and IV



Q44 Which of the following is the method for waste management?  
I Open burning  
II Reduction of waste  
III Recycling of waste  
IV Reusing of waste

- (A) I and II only
- (B) III and IV only
- (C) II, III and IV only
- (D) I, II, III and IV

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- Q45 Why a substance is known as a pollutant?
- (A) The substance may cause sickness to human.
  - (B) The substance may cause sickness to animals.
  - (C) The substance may remain in the environment for a period of time.
  - (D) The substance cannot be degraded by human.
- Q46 Which of the followings is NOT considered as the major air pollutants?
- I Smoking
  - II Barbecue
  - III Cars
  - IV Lorries
- (A) I and II only
  - (B) III and IV only
  - (C) II, III and IV only
  - (D) I, II, III and IV
- Q47 Which of the following elements are covered under Environmental Quality Act?
- I Animal
  - II Air
  - III Noise
  - IV Water
- (A) I and II only
  - (B) III and IV only
  - (C) II, III and IV only
  - (D) I, II, III and IV
- Q48 Environmental audit means a periodic, systematic, documented and objective evaluation to determine, EXCEPT:
- (A) the compliance status to environmental regulatory requirements
  - (B) the establishment of Environmental Fund Committee
  - (C) the environmental management system
  - (D) the overall environmental risk of the premises
- Q49 The Environmental Fund in the Environmental Quality Act shall be administered for the purpose of \_\_\_\_\_.
- I conducting, promoting and coordinating research in relation to any aspect of pollution or the prevention thereof.
  - II preventing or combating a discharge, deposit or dumping, of environmentally hazardous substances
  - III recovering of waste, or removing, dispersing, destroying, cleaning, disposing of or mitigating pollution.
  - IV preventing or combating a discharge, deposit or dumping of waste.
- (A) I and II only
  - (B) III and IV only
  - (C) II, III and IV only
  - (D) I, II, III and IV



Q50 Open burning means under Environmental Quality Act is \_\_\_\_\_.

- (A) any burning of a bonfire or vegetation debris fire in an outdoor location where fuel burned is not contained in an incinerator or outdoor fireplace
- (B) any fire, combustion or smouldering that occurs in the open air and which is not directed there through a chimney or stack
- (C) any fireworks that burned during the festival or show
- (D) any open cooking activities

**- END OF QUESTIONS -**

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