



DEE 1

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**KOLEJ YAYASAN PELAJARAN JOHOR**  
**FINAL EXAMINATION**

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<b>COURSE</b>	<b>:</b>	<b>PENGURUSAN KESELAMATAN DAN KESIHATAN</b>
<b>COURSE CODE</b>	<b>:</b>	<b>DEG 1022</b>
<b>EXAMINATION</b>	<b>:</b>	<b>NOVEMBER 2016</b>
<b>TIME / DURATION</b>	<b>:</b>	<b>2 HOURS</b>

**INSTRUCTION TO CANDIDATES**

1. This examination paper consists of **THREE (3) PARTS:**  
PART A (10 marks)  
PART B (50 marks)  
PART C (20 marks)
2. Answer **ALL** questions for PART A and PART B, for PART C choose **ONLY TWO (2)** 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: Multiple Choice/Aneka Pilihan****Instructions: Answer ALL Questions****Arahan: Jawab SEMUA soalan**

1. Workers' Compensation is a social insurance program that provides all following EXCEPT:

- A. Medical care.
- B. Rehabilitation services.
- C. Cash benefits.
- D. Residence.

*Pampasan pekerja adalah program insuran sosial yang menyediakan semua yang berikut  
KECUALI:*

- A. *Rawatan perubatan.*
- B. *Perkhidmatan pemulihan.*
- C. *Faedah tunai.*
- D. *Tempat tinggal.*

2. Which is NOT the objective of the organization committee?

- A. To establish two-way communication.
- B. Introducing a consultation and cooperation between employers and employees.
- C. To produce workers who show up on time to work.
- D. Adding interest and motivation among all workers.

*Berikut yang manakah BUKAN objektif dalam ahli jawatankuasa organisasi?*

- A. *Mewujudkan komunikasi dua hala.*
- B. *Memperkenalkan perundingan dan kerjasama di antara majikan dan pekerja.*
- C. *Melahirkan pekerja yang tepati masa bekerja.*
- D. *Menambah minat dan motivasi di kalangan semua pekerja.*

3. Which of the following statements that refer to the meaning of wall opening?

- A. At least 30" high and 18" wide in any wall or partition through which persons may fall.
- B. At least 40" high and 17" wide in any wall or partition through which persons may fall.
- C. At least 10" high and 15" wide in any wall or partition through which persons may fall.
- D. At least 40" high and 19" wide in any wall or partition through which persons may fall.

*Antara pernyataan berikut yang merujuk kepada pengertian pembukaan dinding?*

- A. Sekurang-kurangnya 30 "tinggi dan 18" lebar dalam mana-mana dinding atau bahagian di mana orang boleh jatuh.
- B. Sekurang-kurangnya 40 "tinggi dan 17" lebar dalam mana-mana dinding atau bahagian di mana orang boleh jatuh.
- C. Sekurang-kurangnya 10 "tinggi dan 15" lebar dalam mana-mana dinding atau bahagian di mana orang boleh jatuh.
- D. Sekurang-kurangnya 40 "tinggi dan 19" lebar dalam mana-mana dinding atau bahagian di mana orang boleh jatuh.

4. A stair railing shall be not more than \_\_\_\_\_ inches and not less than 30 inches from upper surface of top rail.

- A. 45
- B. 34
- C. 38
- D. 42

*Pagar tangga hendaklah tidak lebih daripada \_\_\_\_\_ inci dan tidak kurang daripada 30 inci dari permukaan atas palang.*

- A. 45
- B. 34
- C. 38
- D. 42

5. Which of the following DOES NOT key factors for abatement the hazardous waste?

- A. Change.
- B. Reporting.
- C. Clean-up.
- D. Disposal.

*Antara berikut yang manakah BUKAN faktor utama bagi pengurangan sisa berbahaya?*

- A. *Tukar.*
- B. *Laporan.*
- C. *Bersihkan.*
- D. *Pelupusan.*

6. Exposure to high levels of noise may lead to \_\_\_\_\_ loss and other harmful health effects.

- A. eyesight
- B. smell sense
- C. hearing
- D. growth

*Pendedahan kepada tahap kebisingan yang tinggi boleh membawa kepada kehilangan \_\_\_\_\_ dan kesan kesihatan bahaya yang lain.*

- A. *pengelihatan*
- B. *deria bau*
- C. *pendengaran*
- D. *tumbesaran*

7. Which following are FALSE?

- A. Shock – Most common and can cause electrocution or muscle contraction leading to secondary injury which includes falls.
- B. Fires – Enough heat or sparks can ignite combustible materials.
- C. Explosions – Electrical spark can ignite vapors in the air.
- D. Arc Flash - In a short circuit event copper can expand 67,000 times. The expansion causes a pressure wave. Air also expands adding to the pressure wave.

*Antara berikut yang manakah SALAH?*

- A. *Terkejut - yang biasa dan boleh menyebabkan kejutan elektrik atau penguncupan otot yang membawa kepada kecederaan seperti terjatuh.*
- B. *Kebakaran – menyebabkan haba atau bunga api dan boleh menyalakan bahan mudah terbakar.*
- C. *Letupan - percikan elektrik boleh menyalakan wap di udara.*
- D. *Lengkok kilat - Dalam litar yang mengandungi tembaga dan boleh mengembang sebanyak 67,000 kali dalam waktu yang singkat. Pengembangan ini menyebabkan tekanan gelombang. Udara juga mengembang dan boleh menambah tekanan kepada gelombang tekanan.*

8. Which of the following DOES NOT cause electric shock?

- A. Inadequate wiring.
- B. Wires with bad insulation.
- C. All hazards are made worse in dry conditions.
- D. Using the wrong PPE and tools.

*Berikut yang manakah TIDAK menyebabkan berlaku kejutan elektrik.*

- A. *Pendawaian yang tidak mencukupi.*
- B. *Penyambungan wayar yang salah.*
- C. *Semua bahaya yang menjadi lebih teruk adalah dalam keadaan kering.*
- D. *Menggunakan PPE dan alat-alat yang salah dan alat-alat.*

9. The maximum pressures for acetylene must be observed (with certain rare exceptions) is \_\_\_\_\_psi.

- A. 13
- B. 14
- C. 15
- D. 16

*Tekanan maksimum bagi asetilena mesti dipatuhi (dengan pengecualian tertentu) ialah \_\_\_\_\_psi.*

- A. 13
- B. 14
- C. 15
- D. 16

10. Two metals are joined by generating an electric arc between a covered metal electrode and the base metal is a \_\_\_\_\_.

- A. gas
- B. oxygen
- C. arc
- D. cutting

*Dua logam yang disambungkan dengan menjana arka elektrik antara elektrod logam yang dilindungi dan logam asas adalah \_\_\_\_\_.*

- A. gas
- B. oksigen
- C. lengkok
- D. potong

**PART B: Short Structured (SSt)/Soalan Pendek Berstruktur (Sst)****Instructions: Answer ALL Questions****Arahan: Jawab SEMUA soalan****Question 1/Soalan 1**

- a) List TWO (2) of workers' compensation benefits.

*Senarai DUA (2) manfaat pampasan pekerja.*

(4 Marks/Markah)

- b) List THREE (3) importance of record keeping.

*Senaraikan TIGA(3) kepentingan penyimpanan rekod.*

(6 Marks/Markah)

**Question 2/Soalan 2**

- a) Explain FOUR (4) strategies to prevent accidents on the work surface.

*Terangkan EMPAT (4) strategi untuk mengelakkan kemalangan pada permukaan kerja.*

(8 Marks/Markah)

- b) Explain about housekeeping for working surface.

*Terangkan maksud pengemasan bagi permukaan kerja.*

(2 Marks/Markah)

**Question 3/Soalan 3**

- a) Define meaning of toxic and hazardous substances and give TWO (2) examples.

*Berikan maksud bagi bahan-bahan toksik dan bahaya dan berikan DUA (2) contoh.*

(4 Marks/Markah)

- b) List and explain TWO (2) category of hearing loss.

*Berikan dan terangkan DUA (2) kategori bagi kehilangan pendengaran.*

(6 Marks/Markah)



**Question 4/Soalan 4**

- a) Clasify TWO (2) kinds of basic welding.

*Klasifikasi DUA (2) jenis asas kimpalan.*

(4 Marks/Markah)

- b) Explain THREE (3) operating procedures for welding.

*Terangkan TIGA (3) prosedur operasi untuk kerja-kerja kimpalan*

(6 Marks/Markah)

**Question 5/Soalan 5**

- a) Sketch the current flows in a loop or electric circuit?

*Lakarkan aliran arus yang mengalir dalam gelung atau litar elektrik.*

(4 Marks/Markah)

- b) Give THREE (3) leading causes of electrical accidents:

*Berikan TIGA (3) punca-punca yang menyebabkan kemalangan elektrik.*

(6 Marks/Markah)

**PART C: Short Essay/Karangan Pendek****Instructions: Choose ONLY TWO (2)****Arahan: Pilih DUA(2) soalan SAHAJA****Question 1/Soalan 1**

Based on the Figure Q1(c), discuss the compensation that can be received by an employee from the employer.

*Berdasarkan Rajah Q1(c), bincangkan pampasan yang boleh diterima oleh pekerja daripada pihak majikan.*



Figure Q1(c)/Rajah Q1(c)

(10 Marks/Markah)

**Question 2/Soalan 2**

Based on the Figure Q2(c), discuss the characteristics of the materials given.

*Berdasarkan Rajah Q2(c), bincangkan ciri-ciri bahan-bahan yang diberikan.*



Figure Q2(c)/Rajah 2(c)

(10 Marks/Markah)

**Question 3/Soalan 3**

Based on the Figure Q3(c), discuss how the shock of electric occurs.

*Berdasarkan Rajah Q3(c), bincangkan bagaimana kejutan elektrik berlaku.*

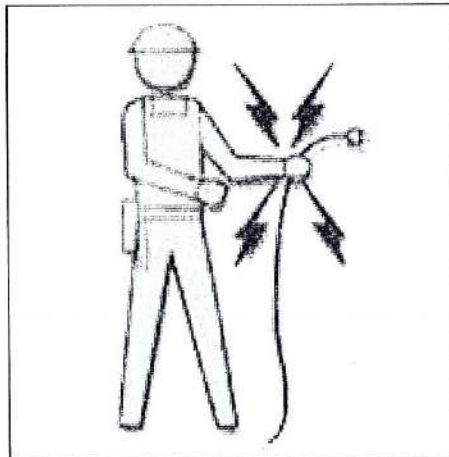


Figure Q3(c)/Rajah Q3(c)

(10 Marks/Markah)

**END OF QUESTIONS/SOALAN TAMAT**

