



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2010/2011**

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH
COURSE CODE : BFC4111
PROGRAMME : 4 BFF
EXAMINATION DATE : APRIL / MAY 2011
DURATION : 1 HOUR 30 MINUTES
INSTRUCTION : ANSWER TWO (2) QUESTIONS ONLY.

THIS PAPER CONSISTS OF SIX (6) PAGES

- Q1**
- (a) Define the main categories of occupational hazards. (5 marks)
 - (b) Explain briefly why OSH to be managed. (5 marks)
 - (c) Carry out the policy programmes which can be apply in construction site based on **three (3)** of the policy statements as stated in Figure **Q1**. (15 marks)
- Q2** Figure **Q2** shows the work activities at construction site. To ensure work activities being carried out safely, potential hazards need to be identified, assessed and controlled. Based on Figure **Q2**:
- (a) State **five (5)** potential accidents. (5 marks)
 - (b) Describe briefly the safety precautions to prevent the accident. (5 marks)
 - (c) Prepare HIRARC statements to demonstrate the implementation of safety and health culture in construction activities. (15 marks)
- Q3**
- (a) List down **five (5)** principles of incident investigation. (5 marks)
 - (b) Explain briefly **three (3)** incident investigation techniques (5 marks)
 - (c) Based on Figure **Q3**, write an investigation report including the recommendations. Discuss what could go wrong. You are allowed to make assumptions. (15 marks)

- Q1**
- (a) Takrifkan katogeri utama hazard pekerjaan. (5 markah)
 - (b) Terangkan secara ringkas mengapa Keselamatan dan Kesihatan Pekerja perlu diuruskan. (5 markah)
 - (c) Berdasarkan **tiga (3)** pernyataan polisi yang diberikan dalam Rajah **Q1**, bangukan program-program yang boleh diaplikasikan di tapak pembinaan. (15 markah)
- Q2** Rajah **Q2** menunjukkan aktiviti kerja di tapak pembinaan. Untuk memastikan aktiviti tersebut dijalankan dengan selamat, hazard perlu dikenalpasti, ditaksir dan dikawal. Berdasarkan Rajah **Q2**:
- (a) Nyatakan **lima (5)** kemalangan yang berpotensi untuk terjadi. (5 markah)
 - (b) Terangkan secara ringkas tindakan pencegahan yang boleh dilakukan untuk mengelakkan kemalangan tersebut. (5 markah)
 - (c) Sediakan dokumen HIRARC bagi menunjukkan budaya kerja sihat dan selamat dapat diamalkan dalam aktiviti pembinaan. (15 markah)
- Q3**
- (a) Senaraikan **lima (5)** prinsip dalam kerja penyiasatan kemalangan. (5 markah)
 - (b) Terangkan secara ringkas **tiga (3)** teknik dalam penyiasatan kemalangan. (5 markah)
 - (c) Berdasarkan Rajah **Q3**, sediakan laporan penyiasatan berserta cadangan penambahbaikan. Bincangkan apakah kesilapan yang mungkin terjadi. Kamu dibenarkan membuat andaian yang munasabah. (15 markah)

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SAFETY AND HEALTH POLICY

**This is the Safety and Health Policy Statement of
SYARIKAT KEJURUTERAAN CHAMEK BHD.**

Our company is committed to providing a safe and healthful working environment for all employees and all others required providing services at our work sites.

Our statement of general policy is:

1. to provide adequate control of the health and safety risks arising from our work activities;
2. to consult with our employees on matters affecting their health and safety;
3. to provide and maintain safe plant and equipment;
4. to provide information, instruction and supervision for employees;
5. to ensure all employees are competent to do their tasks, and to give them adequate training;
6. to prevent accidents and cases of work-related ill health;
7. to maintain safe and healthy working conditions; and
8. to review and revise this policy as necessary at regular intervals.

We all have our part to play. If you can't do something safely, don't do it.

Datuk Farhan Harith bin Ishak
CEO
Syarikat Kejuruteraan Chamek Berhad

22 November 2010

FIGURE Q1

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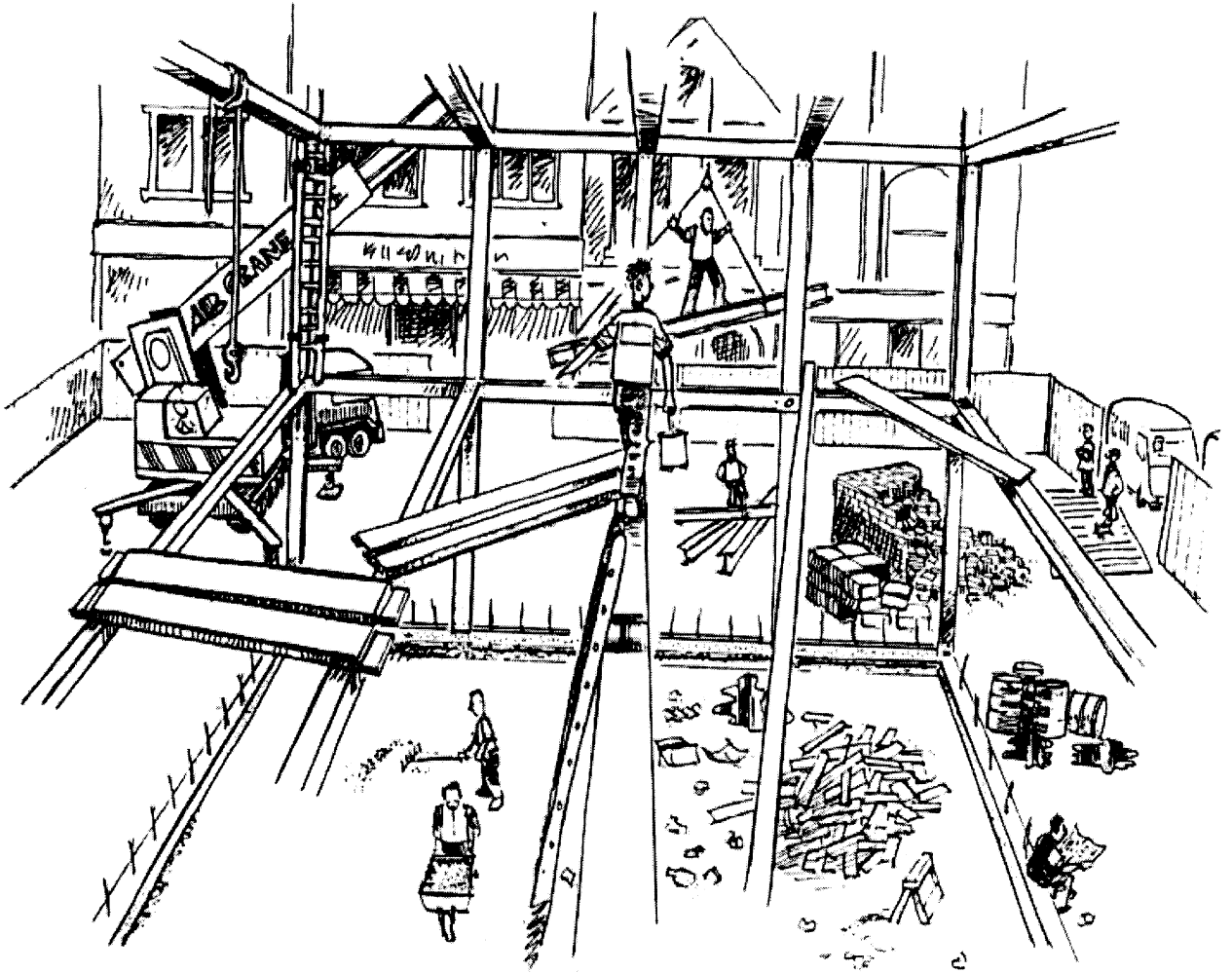


FIGURE Q2

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KUALA LUMPUR, Sun:

Two construction workers, both foreigners, were killed after a crane carrying building materials fell on them when its cable suddenly snapped.

The incident occurred at 2.30pm at a construction site for a 38-storey office building at Jalan Bangsar Utama, here today.

The crane's cable was said to have snapped suddenly on the 22nd floor of the building which was almost 50 percent complete, and both victims who were working on the ground floor were crushed by the falling crane.

One of the victim's head was cracked while the other victim was badly crushed.

Police and Civil Defence Department personnel took about one hour to gather the pieces of the victims' bodies. Meanwhile, Brickfields OCPD ACP Wan Abdul Bari Wan Abdul Khalid, when contacted, confirmed the incident and classified it as sudden death.

"Both victims were Bangladeshi nationals aged between 30 and 40," he said. --
BERNAMA

FIGURE Q3