

SULIT



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**PEPERIKSAAN AKHIR
SEMESTER I
SESI 2013/2014**

NAMA KURSUS	:	KESELAMATAN DAN KESIHATAAN PEKERJAAN
KOD KURSUS	:	BFC 43501/BFC 4111
PROGRAM	:	3BFF/4BFF
TARIKH PEPERIKSAAN	:	DISEMBER 2013/JANUARI 2014
MASA	:	1 JAM
ARAHAN	:	JAWAB DUA (2) SOALAN SAHAJA

KERTAS SOALAN INI MENGANDUNGI LIMA (5) MUKA SURAT

SULIT

- S1** (a) Dalam keselamatan dan kesihatan pekerjaan, ada beberapa perkataan seperti HIRARC dan ALARP.
- (i) Nyatakan apakah maksud HIRARC. (4 markah)
- (ii) Nyatakan apakah maksud ALARP. (2 markah)
- (b) Jelaskan dengan jelas maksud hazard, risiko dan bahaya. (9 markah)
- (c) Terangkan **lima (5)** punca-punca hazard. (10 markah)
- S2** (a) Terangkan maksud pengurusan risiko dan mengapakah ianya diperlukan. (4 markah)
- (b) Berikan **empat (4)** prinsip-prinsip asas pengurusan risiko. (4 markah)
- (c) Bagi memastikan pengurusan risiko dilaksanakan secara efektif, kita perlulah mengetahui proses yang tepat. Lakarkan proses pengurusan risiko tersebut. (5 markah)
- (d) Bagi usaha mengawal hazard, kita perlu membuat beberapa cadangan berpandukan kepada hirarki yang ada. Senaraikan dan terangkan struktur hirarki dalam mengukur kawalan risiko. (12 markah)
- S3** **Rajah S3** menunjukkan senario yang berlaku di tapak di mana kerja-kerja pembinaan sedang dilakukan. Bagi memastikan aktiviti-aktiviti pembinaan dapat dijalankan secara selamat dan sihat, segala jenis hazard perlu dikenalpasti, dinilai serta di kawal.
- Analisis gambar yang diberi, sediakan dan hasilkan HIRARC bagi memastikan bahaya kemalangan dapat dikurangkan secara praktikal (ALARP) (25 markah)

- S3** **Rajah S4** menunjukkan sebuah kemalangan yang berlaku di tapak pembinaan. Sebagai seorang pegawai keselamatan dan kesihatan pekerjaan untuk syarikat pembinaan, anda telah ditugaskan untuk menjalankan sebuah penyiasatan terhadap kemalangan serius tersebut. Untuk mencapai tahap tinggi keselamatan dan kesihatan di tapak kerja serta menurut undang-undang yang diluluskan oleh kod praktis, ia memerlukan kesedaran terhadap pekerja dan majikan. Sediakan laporan kemalangan menurut AKP 1994 dan syarat DOSH berdasarkan penerangan keratan akhbar dan gambar yang diberi.

(25 markah)

-SOALAN TAMAT-

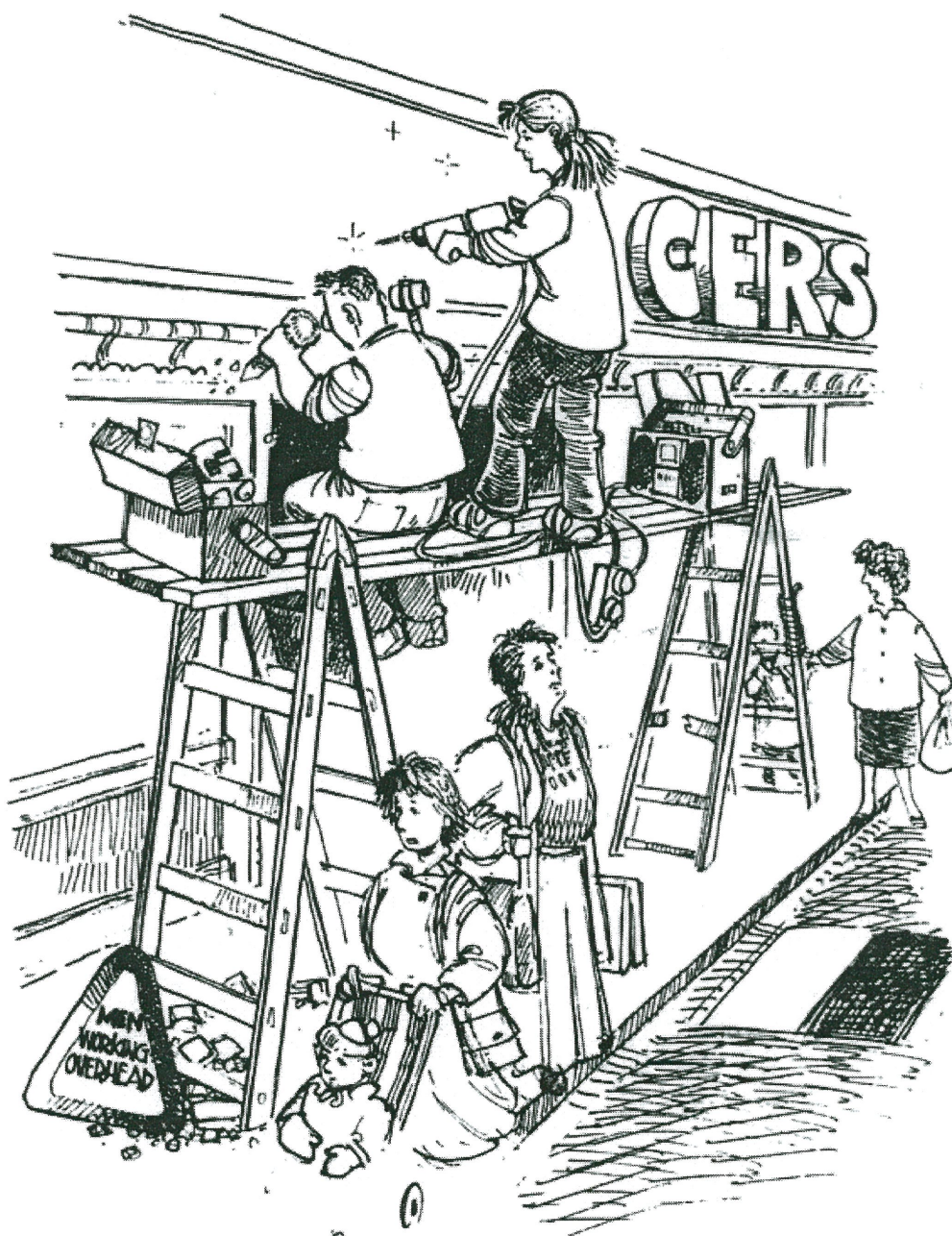
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RAJAH S3

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Sub-contractor, worker found dead in manhole

SHAH ALAM, Sun, - A subcontractor and his worker were found dead in a five-meters deep manhole along Persiaran Kemajuan in Section 16 here today.

Lim Chin Chuan, 51, from Taman Camp, Port Klang and his worker identified only as Masturi, 24, from Jawa Timur, were believed to have died in toxic inhalation.

Firemen who went to the scene after receiving a call at 10.56am found Lim's body on top of his assistant in the manhole. They also found a ladder jutting out of the manhole.

Section 15 Fire and Rescue Department officer Borhan Madom said the two might have inhaled toxic gas on Friday while carrying out maintenance work.

The 13-member team pulled out Lim's body from the manhole about 1.25pm and Masturi's body was retrieved 20 minutes later.



SUSPECTED TOXIC GAS: Firemen pulling out one of the bodies yesterday.

The position of the bodies indicated that one of the two could have sought the help of the other after inhaling toxic gas in the manhole. A car believed to have been driven by the sub-contractor was parked nearby. The scene attracted a large crowd, causing a traffic jam in the industrial area. According to one of Lim's relatives, Lim normally left the house about 7am and returned home about 6pm. However, relatives were unable to trace Lim's whereabouts until this morning. They lodged a report at the Pandamaran police station about 10am. The bodies were sent to University Malaya Medical

RAJAH S4