

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**PEPERIKSAAN AKHIR
SEMESTER II
SESI 2012/2013**

NAMA KURSUS : KONTRAK DAN TAKSIRAN
KOD KURSUS : DAC 31802
PROGRAM : 3 DAA/DAC
TARIKH PEPERIKSAAN : MAC 2012
JANGKA MASA : 2 JAM
ARAHAN : JAWAB SOALAN SATU(1) (WAJIB)
DAN JAWAB TIGA(3) SOALAN
LAIN

KERTAS SOALAN INI MENGANDUNGI SEMBILAN(9) MUKA SURAT

S1 Berdasarkan kepada Rajah S1(a) dan S1(b), ukur kuantiti bagi perkara berikut:-

- a) Isipadu konkrit untuk asas pad, tunggul tiang dan rasuk tanah.
(5 markah)
- b) Acuan untuk asas pad, tunggul tiang dan rasuk tanah.
(5 makah)
- c) Tetulang utama di dalam asas pad, tunggul tiang dan rasuk tanah (dalam unit kilogram)
(8 markah)
- d) Pengikat tetulang utama di dalam tunggul dan rasuk tanah (dalam unit kilogram)
(7 markah)

S2 a) Tawaran dan penerimaan adalah dua elemen asas yang perlu bagi mewujudkan kontrak yang boleh dikuatkuasakan di sisi undang-undang dan kontrak. Senaraikan **Lima (5)** elemen lain bagi membentuk kontrak yang sah dan boleh dikuatkuasakan.

(5 markah)

- b) Terdapat banyak kelebihan kepada manusia jika mereka tahu apa itu undang-undang kontrak terutamanya mengetahui motif kontrak tersebut. Sebagai contoh, seseorang itu tidak akan teragak-agak untuk membuat apa-apa perjanjian atau perniagaan jika mereka tahu implikasi undang-undang kontrak dan orang lain tidak akan mengambil kesempatan ke atas mereka. Jika sebaliknya, kita akan ditipu dan terlibat di dalam kes penipuan. Pada pendapat anda, terangkan dengan lebih jelas **Tiga (3)** kelebihan mempunyai pengetahuan mengenai undang-undang kontrak dan **Tiga (3)** keburukan jika tidak mempunyai pengetahuan mengenai undang-undang kontrak. Berikan contoh bagi setiap penjelasan.

(15 markah)

- c) Setelah anda mendapat Diploma Kejuruteraan Awam anda bercadang untuk menubuhkan syarikat pembinaan sendiri. Bincangkan prosedur dan perkara-perkara yang perlu dipatuhi oleh Construction Industry Development Board (CIDB).

(5 markah)

- S3. a) Proses tender hendaklah dijalankan secara telus disemua peringkat. Jelaskan secara terperinci proses tender yang dijalankan di Malaysia.
(9 markah)
- b) Terdapat pelbagai jenis tender yang digunakan di Malaysia. Jelaskan berkaitan tender perundingan.
(4 markah)
- c) Nyatakan **tiga (3)** kepentingan spesifikasi dan lukisan di dalam dokumen tender.
(6 markah)
- d) Jelaskan perbezaan diantara Sebutharga, Undi dan Tender.
(6 markah)
- S4. a) Kontrak Gumpalan/Lum Sum terbahagi kepada beberapa jenis diantaranya ialah Kontrak berdasarkan Lukisan dan Penentuan/Spesifikasi dan Kontrak Berdasarkan Lukisan dan Senarai Bahan/Kuantiti. Jelaskan perbezaan diantara kedua-dua kontrak tersebut.
(10 markah)
- b) Jelaskan dengan menggunakan gambarajah mengenai Kontrak Reka dan Bina
(10 markah)
- c) Bincangkan keburukan kontrak jenis Kos Pembayaran Ganti dengan kaedah Wang Kos Prima dan Peratus Yuran.
(5 markah)

- S5. a) Terdapat **tiga (3)** kategori utama yang menyebabkan kelambatan kerja kontraktor dan melayakkan kontraktor mendapat lanjutan masa. Jelaskan berserta contoh bagi setiap kategori berdasarkan Klausula 43 JKR 203 (Rev. 1/2010).

(9 markah)

- b) Jelaskan mengenai perkara-perkara berikut :-
i) Bon Perlaksanaan.
ii) Bayaran Interim.
iii) Perubahan Kerja.

(6 markah)

- c) Nyatakan kepentingan anggaran kos di dalam setiap peringkat pembangunan sesuatu projek di dalam fasa pra-kontrak.

(5 markah)

- d) Bincangkan **dua (2)** elemen kos yang diambil kira dalam Bina Kadar Harga.

(5 markah)

ENGLISH TRANSLATION

Q1 Base on Figure S1(a) and S2(b), take-off the following items.

a) Concrete volume for pad foundation, column stump and ground beam
(5 marks)

b) Formwork to pad foundation, column stump and ground beam.
(5 marks)

c) Main reinforcement bar in pad foundation, column stump and ground beam (in kilogram).
(8 marks)

d) Links in column stump and stirrups in ground beam (in kilogram)
(7 marks)

Q2 a) Offer and acceptance are two basic elements that are necessary for the creations of a legally binding and an enforceable contract. List **FIVE (5)** other elements to form a valid and enforceable contract.
(5 marks)

b) There are so many advantages to the humankind if they know what contract law is all about especially knowing the motive of contract. For example, people will not hesitate to make any deal or business if they know the contract law and others will not take advantage on them. Despite, people will be cheated and getting involve in fraud case. In your opinion, thoroughly explain **Three (3)** advantages of having knowledge on contract law and **Three (3)** disadvantages of not having knowledge on contract law. Provide an example for each explanation.
(15 marks)

d) Once you get a Diploma in Civil Engineering, you plan to setup your own construction company. Discuss the procedure and the matters required by Construction Industry Development Board (CIDB).
(5 marks)

- Q3. a) With the aid of sketch draw the tendering process flow with starting from the preparation of specification until the tender closing date.
(9 marks)
- b) There are various types of tenders used in Malaysia. Describe the negotiations tender.
(4 marks)
- c) State **three (3)** the importance of specifications and drawings in the tender documents.
(5 marks)
- e) Explain the difference between quotations, Voting and Tender.
(6 marks)
- Q4. a) Contract Lump Sum divided into several types of them is based on the Contract Drawings and Determination / Specifications and Contract Drawings and List Based on Material / Quantity. Explain the difference between the two types of this contract.
(10 marks)
- b) Explain with a diagram of the Design and Build Contract
(10 marks)
- c) Discuss the disadvantages of Cost Reimbursement contracts with Prime Cost Sum and Percentage Fee.
(5 marks)

Q5. a) There are **three (3)** main categories that cause delays in the work contractors and contractors qualify to get an extension. Explain with examples for each category based on clause 43 PWD 203 (Rev. 1/2010).

(9 marks)

b) Explain the following points: -
i) Performance Bond.
ii) Interim Payment.
iii) Variation.

(6 marks)

c) Explain the significance of the estimated cost in each stage of development of a project in the pre-contract phase.

(5 marks)

d) Discuss **two (2)** cost elements included in the Build Rate.

(5 marks)

- END OF QUESTION -

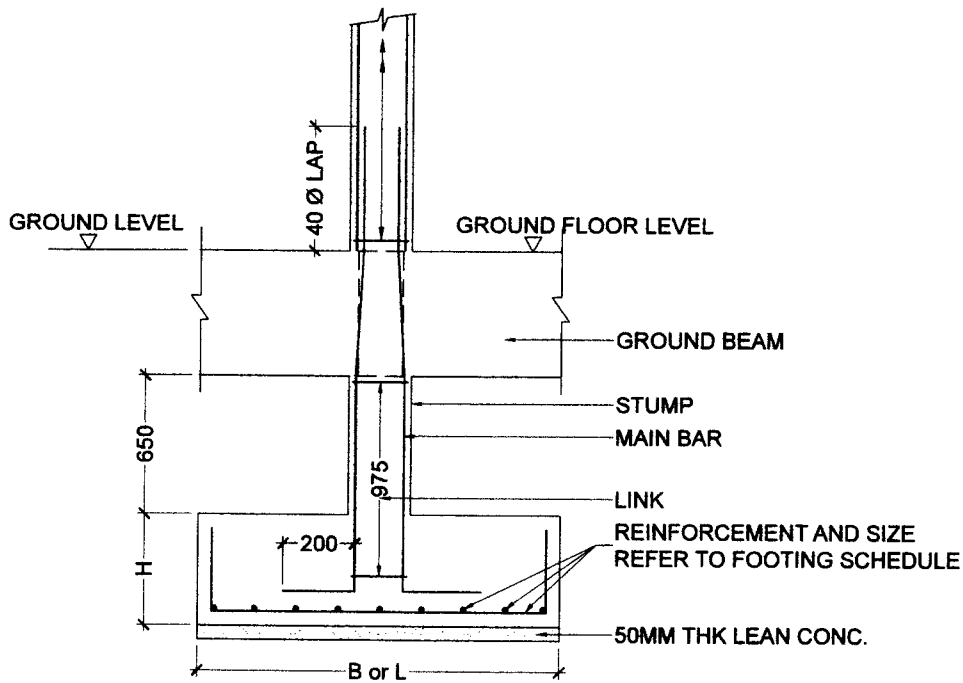
FINAL EXAMINATION

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COURSE: CONTRACT AND ESTIMATION COURSE CODE : DAC 31802

PAD FOOTING MARK	PAD FOOTING DIMENSIONS			REINFORCEMENT		
	B, mm	L, mm	H, mm	XDirBar	YDirBar	TIES
F1	1350	1350	250	T12-150	T12-150	-

PAD FOUNDATION REINFORCEMENT SCHEDULE



CONVERSION TABLE FOR ROUND BAR (BS 4449:1997)

Nominal Size (mm)	Cross Sectional Area (mm ²)	Mass Per Meter Run (kg)
06	28.3	0.222
08	50.3	0.395
10	78.5	0.616
12	113.1	0.888
16	201.1	1.579
20	314.2	2.466
25	490.9	3.854
32	804.2	6.313

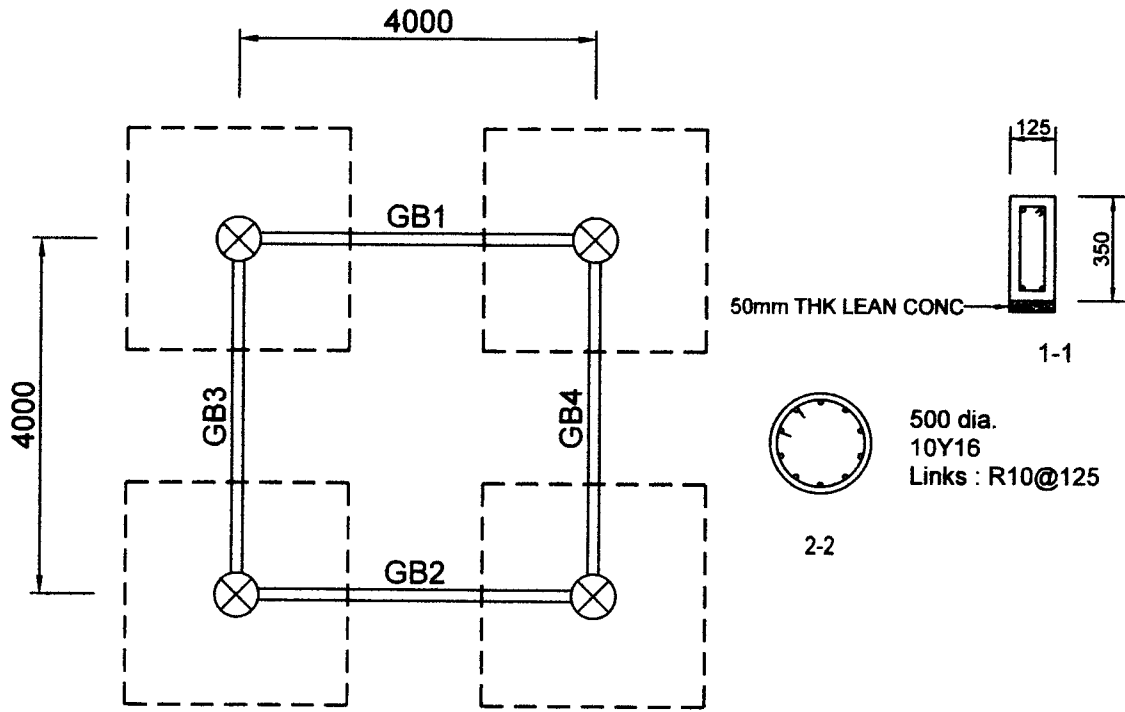
Notes :All pad foundation, stump & ground beam – similar concrete cover (50mm)

FIGURE S1(a)

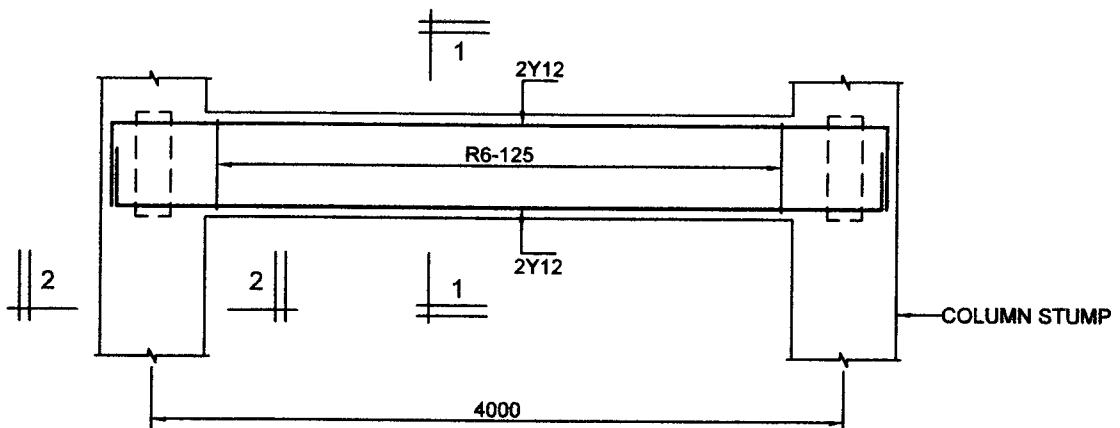
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GROUND FLOOR PLAN



GB1, GB2, GB3 & GB4 - SIMILAR REINF. (125 X 350)

FIGURE S1(b)