



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION SEMESTER I SESSION 2009/2010

SUBJECT NAME : CONTRACT & ESTIMATING
SUBJECT CODE : BFC 2022
COURSE : 3 BFF
EXAMINATION DATE : NOVEMBER 2009
DURATION : 2 HOURS 30 MINUTES
INSTRUCTION : ANSWER **PART A** QUESTION
AND CHOOSE **THREE (3)**
QUESTIONS FROM **PART B**

THIS PAPER CONSIST OF EIGHT (8) PAGES

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PART A

Q1 Based on Figure **Q1(a)** and Figure **Q1(b)**, take-off the following items:

- (a) Concrete 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. (9 marks)
- (d) Links in column stump and stirrups in ground beam. (6 marks)

PART B

- Q2**
- (a) Give your opinion on contract that is done in verbal. (7 marks)
 - (b) With suitable example, discuss the unilateral contract and collateral contract. (8 marks)
 - (c) Discuss the difference between the communication of a proposal, the communication of an acceptance and the communication of a revocation via post. (6 marks)
 - (d) State **two (2)** conditions when the communication of an acceptance can be cast aside. (4 marks)

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- Q3**
- (a) Consideration can be divided into **three (3)** parts. Discuss all the three types of consideration with suitable examples.
(6 marks)
 - (b) State **three (3)** conditions at which the person is competent to contract based on Section 11, Contracts Act 1950.
(3 marks)
 - (c) Discuss the void contract, voidable contract and unenforceable contract.
(9 marks)
 - (d) With suitable example, discuss **four (4)** conditions when the doctrine of frustration could happen.
(7 marks)
- Q4**
- Conditions of Contract is prepared to determine and identify the scope, method and regulation during the implementation of right and obligation within the contract period.
- (a) In your opinion, why the Interim payment needs to be paid to the contractor periodically?
(3 marks)
 - (b) Explain the basic rules and procedures which must be complied in the Interim valuation and during the preparation of Interim Certificate.
(16 marks)
 - (c) What will happen if the Extension of Time application is not approved by the client?
(6 marks)
- Q5**
- Prepare a complete measurement to build up a rate for one (1) meter cubic concrete. Table 1 shows relevant information for reinforced concrete (1:2:4 with 25 mm aggregate) pad foundation using concrete mixer with 7/8 capacity.
(25 marks)

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BAHAGIAN A

S1 Berdasarkan Rajah **Q1(a)** dan Rajah **Q1(b)**, kirakan kuantiti bagi item-item berikut:

- (a) Konkrit bagi asas pad, tunggul tiang dan rasuk tanah. (5 markah)
- (b) Acuan bagi asas pad, tunggul tiang dan rasuk tanah. (5 markah)
- (c) Tetulang utama di dalam asas pad, tunggul tiang dan rasuk tanah. (9 markah)
- (d) Pengikat tetulang utama di dalam tunggul tiang dan rasuk tanah. (6 markah)

BAHAGIAN B

- S2**
- (a) Berikan pendapat anda berkenaan kontrak yang dilakukan secara lisan. (7 markah)
 - (b) Bincangkan dengan contoh yang sesuai berkenaan kontrak satu hala dan kontrak dua hala. (8 markah)
 - (c) Bincangkan perbezaan komunikasi tawaran, komunikasi penerimaan dan komunikasi pembatalan tawaran secara pos. (6 markah)
 - (d) Nyatakan **dua (2)** keadaan di mana komunikasi penerimaan boleh diketepikan. (4 markah)

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- S3
- (a) Balasan boleh dibahagikan kepada **tiga (3)** bahagian. Bincangkan ketiga-tiga jenis balasan tersebut berserta contoh yang sesuai.
(6 markah)
 - (b) Nyatakan **tiga (3)** syarat keupayaan pihak yang berkontrak menurut Seksyen 11, Akta Kontrak 1950.
(3 markah)
 - (c) Bincangkan berkenaan dengan kontrak batal, kontrak boleh batal dan kontrak yang tidak boleh dilaksanakan.
(9 markah)
 - (d) Bincangkan dengan menggunakan contoh yang sesuai empat (4) keadaan bagaimana doktrin kekecewaan boleh berlaku.
(7 markah)
- S4
- Syarat Kontrak (*Conditions of Contract*) disediakan untuk menentukan dan mengenalpasti skop, kaedah dan peraturan semasa hak dan kewajipan dilaksanakan dalam tempoh masa berkontrak.
- (a) Pada pendapat anda, mengapa pembayaran Interim perlu dibayar kepada pihak kontraktor secara berkala pada tempoh yang ditetapkan.
(3 markah)
 - (b) Jelaskan peraturan dan prosedur asas yang perlu dipatuhi semasa penilaian Interim dan penyediaan sijil Interim.
(16 markah)
 - (c) Apakah yang akan terjadi jika permohonan Lanjutan Masa pembinaan tidak diluluskan oleh pihak klien?
(6 markah)
- S5
- Sediakan satu pengiraan yang lengkap untuk menentukan kadar harga bagi satu (1) meter padu konkrit. Jadual 1 menunjukkan maklumat yang berkaitan dengan binaan konkrit bertetulang (1:2:4 dengan 25 mm batu baur) untuk struktur asas dengan menggunakan mesin pembancuh konkrit berkeupayaan 7/8.
(25 markah)

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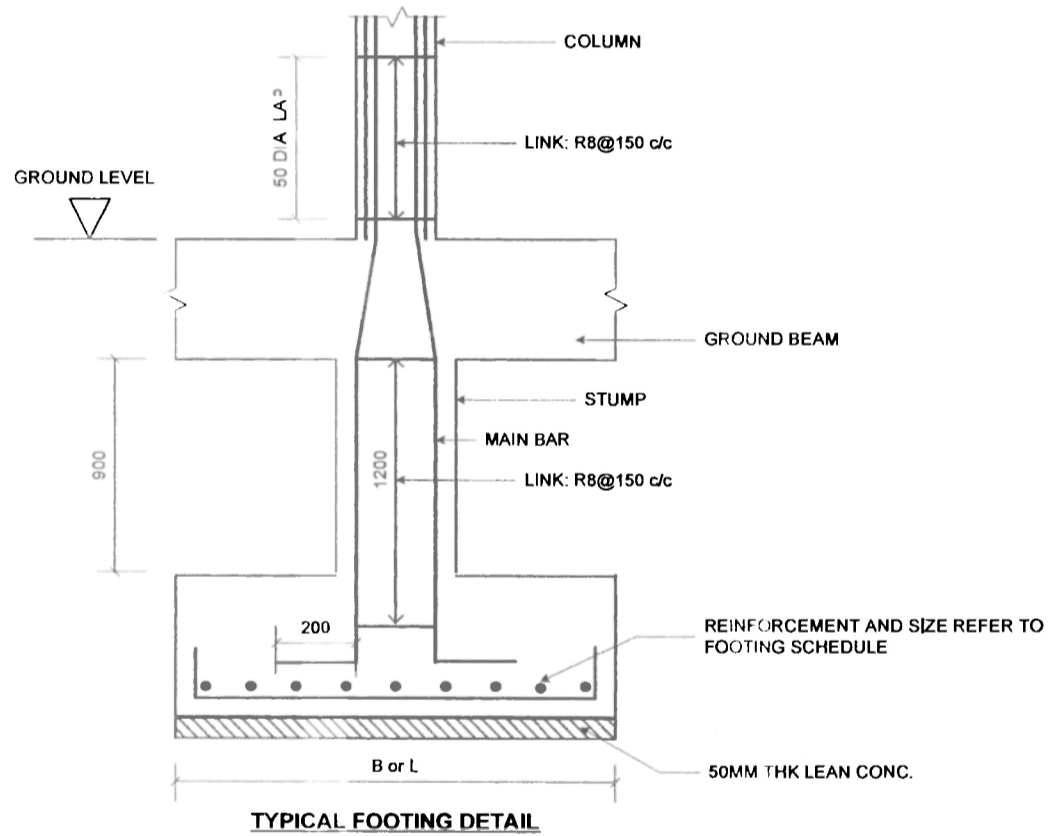
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FOOTING SCHEDULE

TYPE	B x D x H	MAIN REINF.
F3	1800 x 1800 x 900	10Y16@125 (B/W)



CONVERSION TABLE FOR ROUND BAR

SIZE (MM)	MASS PER UNIT LENGTH (KG/M)
06	0.222
10	0.616
12	0.888
16	1.579

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

FIGURE O1(a)

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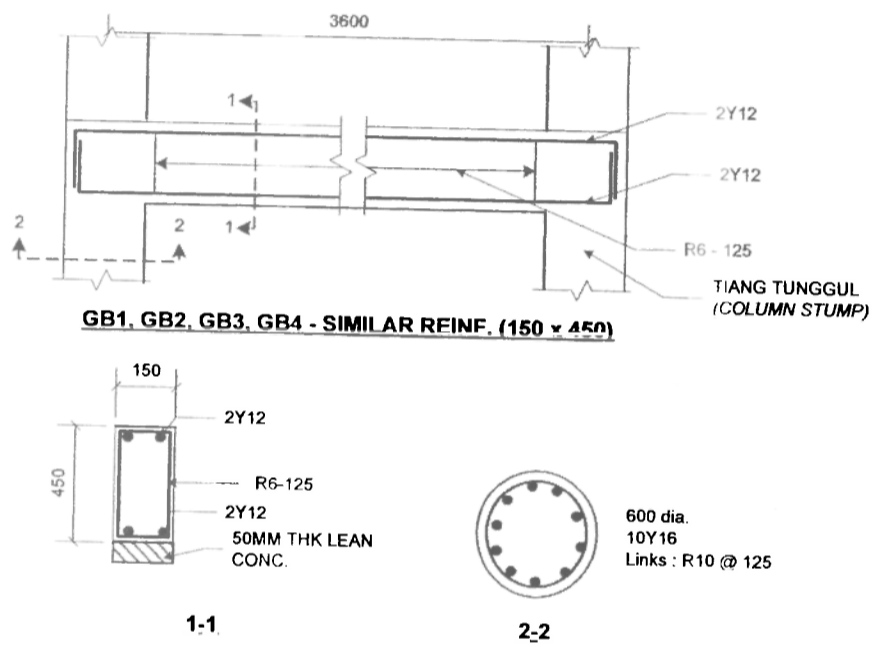


FIGURE O1(b)

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TABLE 1

Item	Rate
Cement (1420 kg/m ³)	RM250.00/tonne
Sand (2840 kg/m ³)	RM50.00/tonne
Aggregate (5680 kg/m ³)	RM100.00/tonne
Rental Rate for Concrete Mixer	RM400.00/week
Concrete Mixer Productivity	5m ³ /hour
Workers to handle the concrete mixer machine	2 person/ machine
Salary (8 working hours/day)	RM40.00/day
Labour Constant for Concrete Mixing	3 hours/ m ³
Profit	8%
Wastage	50%

Notes:

- 1000 kg = 1 tonne
- 1 week = 6 working days = 8 hours/day
- Please give your own assumption if there any insufficient information.