UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2014/2015

COURSE NAME	:	CONTRACT PROCEDURES AND ESTIMATION
COURSE CODE	:	BNP 20602
PROGRAMME	:	2 BNB/BNA/BNC
EXAMINATION DATE	:	JUNE 2015/JULY 2015
DURATION	:	2 1/2 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

THIS QUESTION PAPER CONSISTS OF **SEVEN (7)** PAGES

Q1   (a)   The Contract is normally a massive and complex document, by which right are acquired by one or more to acts on the part of the other or others and hereinafter called the contract as an agreement enforceable by law. Briefly explain **THREE (3)** general principles of contract.

(6 marks)

(b)   Construction Law is neither a legal term of art nor a technical one. It is used to cover the whole field of law which in one way or another affects the construction industry. Sketch a diagram of the diffrent type of law on construction works.

(6 marks)

(c)   The purpose of a contract is to establish the agreement that the parties have made and to fix their rights and duties in accordance with that agreement. List **NINE (9)** basic elements of a contract.

(9 marks)

(d)   An offer is an intimation of willingness by the offeror to enter into a legally binding contract. Differentiate between unilateral offers and bilateral offers.

(4 marks)

Q2   a)   Construction Contracts of Balai Raya Kg. Aman has been terminated due to breach of contract. Explain **THREE (3)** situations that may result in termination of this was done legally.

(9 marks)

b)   State the responsibility of the Contractor Service Centre (PKK) and the Construction Industry Development Board Malaysia (CIDB / CIDB).

(2 marks)

c)   Explain comparison between the **THREE (3)** following documents:
   (i)   Tender Documents
   (ii)   Table Tender Document (TTD)
   (iii)   Contract Documents

(6 marks)

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(d)   Discuss in detail related matters below:

(i)   Interim Payment
(ii)   Prime Cost Sum

(8 marks)

Q3   (a)   Ministry of Defence recommended that a prison will be built in Batu Pahat area to help accommodate the number of prisoners in Kluang Prison. Discuss the appropriate type of contract for this project.

(5 marks)

(b)   Calculate the total cost of a bungalow project using Percentage of Cost Plus Fee Contracts with the following data given: -

(i)   Cost of materials   RM 355,000.00
(ii)   Labor costs   RM 253,700.00
(iii) The cost of plant and equipment RM 94,000.00
(iv)   Overhead 10%
(v)   Profit 15%

(5 marks)

(c)   State **FIVE (5)** functions of estimation.

(5 marks)

(d)   Referring to **FIGURE Q3 (d)** calculate a rough estimate cost of the house using the volume method. All unit in mm and the cost rate is RM 515.15 per m3. All measure given was from the middle to the centre and the wall thickness is 336 mm.

(10 marks)

Q4 (a) State **FIVE (5)** purposes of Bill Quantity.

(5 marks)

(b) Sketch and describe the element on Taking Off Sheet.

(5 marks)

(c) Based on ground beam **FIGURE Q4 (a),** calculate the length of ground beam to be cast on site.

(3 marks)

(d) Based on **FIGURE Q4 (b, c, d),** calculate the quantity for the element below:

(i) Excavation for top Soil (100 mm deep to be deposited 10 m from Site)

(ii) Excavation for ground beam (Lean Concrete thickness 50 mm).

(12 marks)

-END OF QUESTION –

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15000 mm

7000

PLAN VIEW

2000mm

5000mm

1000mm

SIDE VIEW

FIGURE Q3 (d)

1000   mm

300 x 300 COLUMN

FIGURE Q4 (a)

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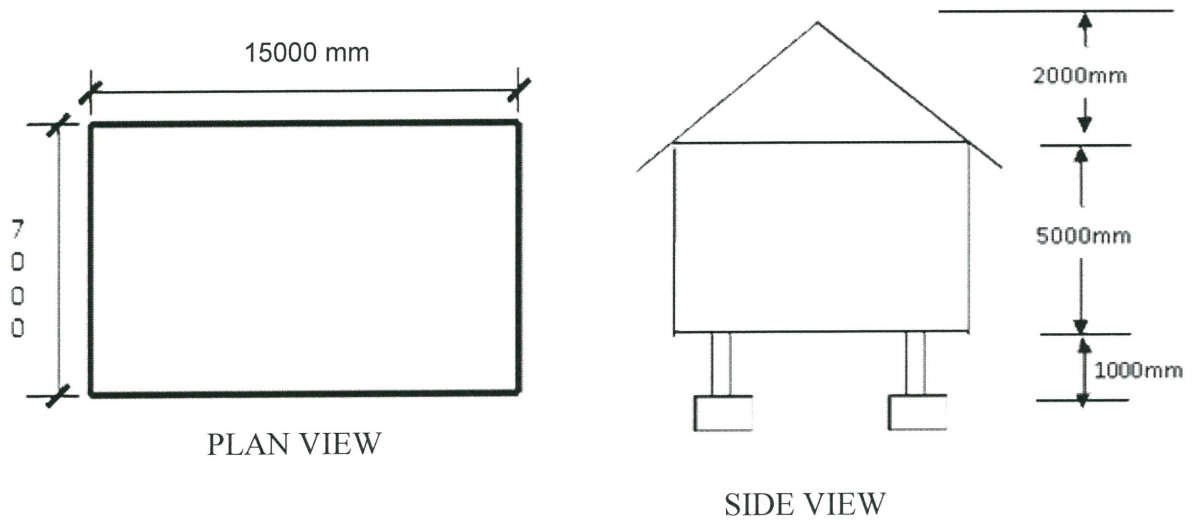COURSE   : CONTRACT PROCEDURES AND ESTIMATIONS   COURSE CODE   : BNP 20602
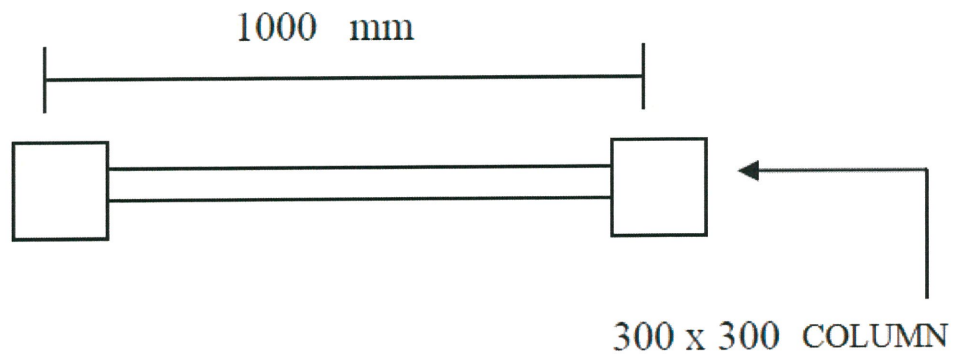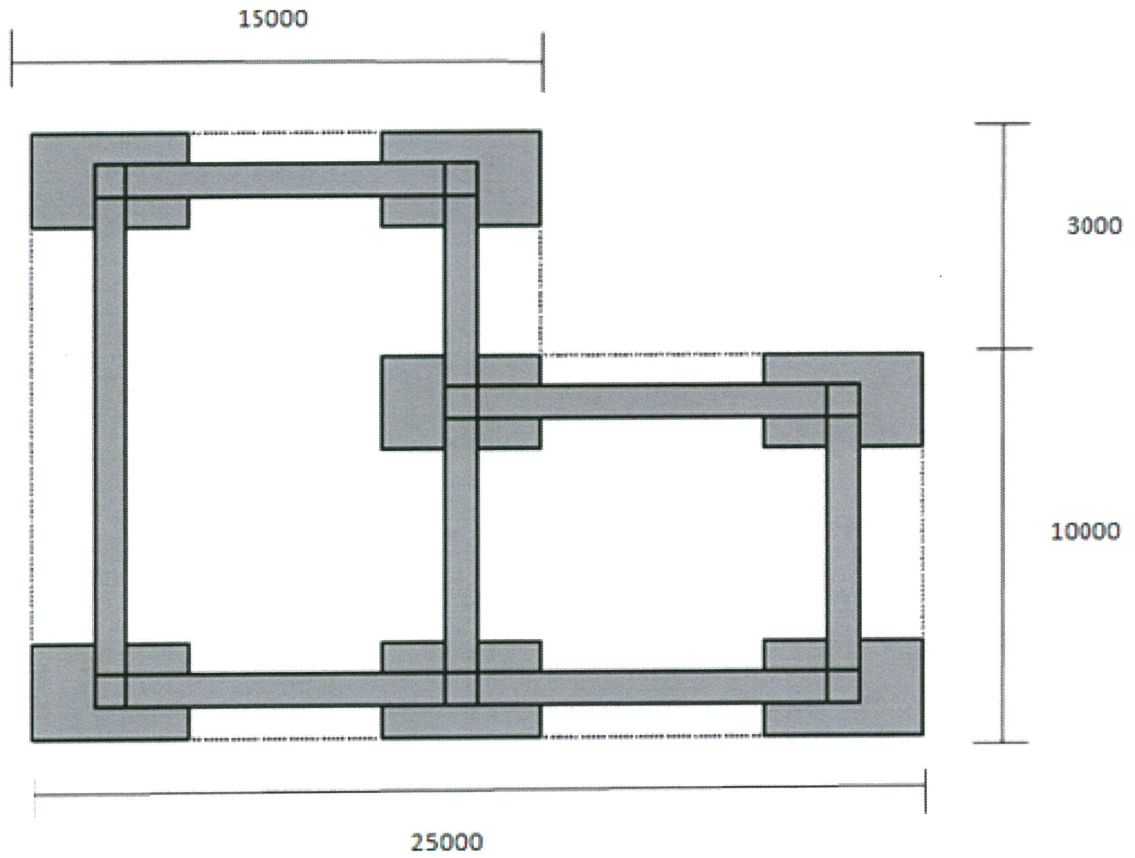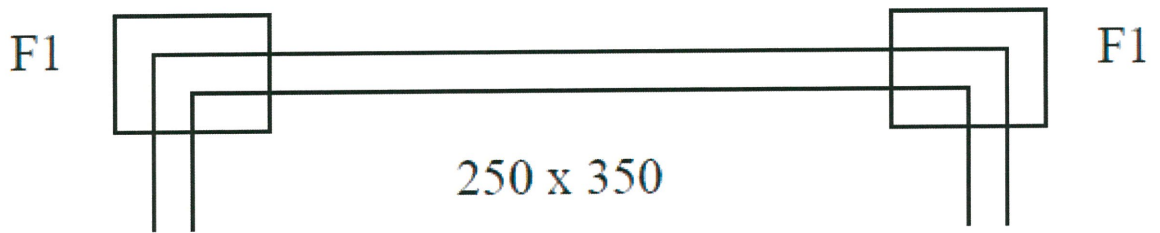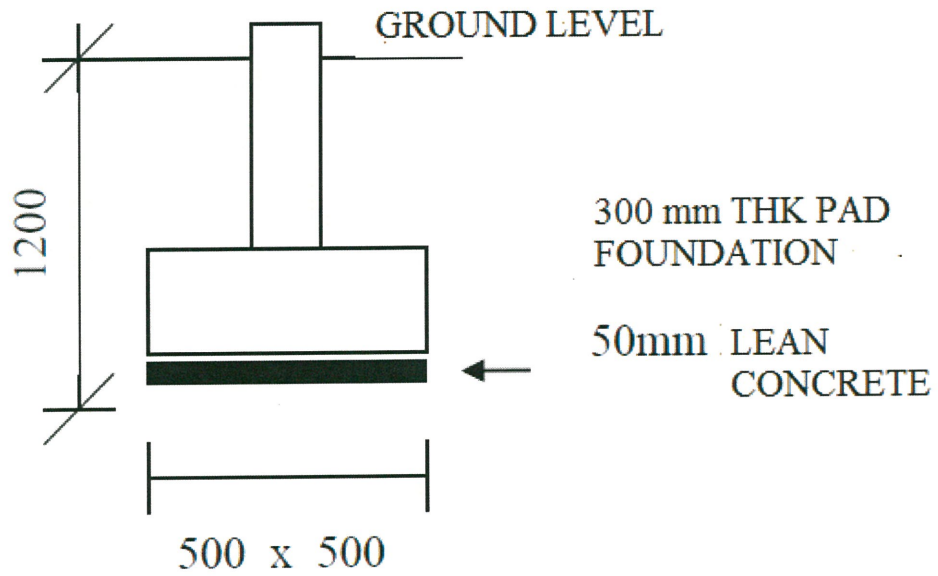

15000

3000

10000

25000

FIGURE Q4 (b)

F1   F1

250 x 350

FIGURE Q4 (c)

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GROUND LEVEL

1200

300 mm THK PAD
FOUNDATION

50mm LEAN
CONCRETE

500 x 500

FIGURE Q4 (d)