



**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2017/2018**

COURSE NAME : CONSTRUCTION CONTRACT  
AND PROCUREMENT  
COURSE CODE : BNP21203  
PROGRAMME CODE : BNA/BNB/BNC  
EXAMINATION DATE : JUNE/JULY 2018  
DURATION : 3 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS



THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

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- Q1**
- (a) State **THREE (3)** objective of Housing and Development Act 1966 and Uniform Building By Law.  
(6 marks)
- (b) Professor Suraya Hani who specializes in the field of construction intends to build a bungalow with an estimated cost of RM 5 billion. Analyze the appropriate type of contract for this project.  
(10 marks)
- (c) Contract means a legally binding agreement made between two or more persons, by which rights are acquired by one or more to acts on the part of the other. Briefly discuss another **TWO (2)** meanings of contract.  
(5 marks)
- (d) Explain the function of *Pusat Khidmat Kontraktor* (PKK) and Construction Industry Development Board Malaysia (CIDB)  
(4 marks)
- Q2**
- (a) AJ Energy Service & Trading was selected in an open tender for the construction of a Second Bridge Malaysian - Singapore worth RM 50 million. Explain **FIVE (5)** tender evaluation criteria which enable the company to successfully overcome the other tenderer.  
(10 marks)
- (b) Give the comparison below:-  
 (i) Letter of intent and the letter of acceptance  
 (ii) Tender Document and Document Contract  
 (iii) Provisional Sum and Prime Cost Sum.  
 (iv) Nominated Sub-Contractor and Nominated Supplier.  
 (v) Contractor All Risk's and Performance Bond.  
(10 marks)
- (c) XYZ Energy Service & Trading has started constructs Second Bridge Malaysian - Singapore at 10/07/2017 and the contracts was made with the clients Gerbang Perdana Sdn. Bhd. The time period of the contract is 52 weeks. However Contractor ABC Energy Service & Trading failed to complete the project within the specified period for certain reasons. ABC has appealed to apply for an extension of time from Client. As an employee for ABC, give **FIVE (5)** reasons that may be used in the Extension of time  
(5 marks)

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- Q3** (a) Variation order is state in Clause 11.0 in PAM 2006 and Clause in JKR 203. List **FIVE (5)** reason the important of this clause in construction contract. (5 marks)
- (b) In PAM 2006, Clause 11.6 (d) (ii) Actual cost plus 15% overhead. Explain with example the means of 'overhead'. (5 marks)
- (c) Explain in detail the procedure of applying Extension on Time (EOT) base on Clause 23 in PAM 2006. (5 marks)
- (d) Jasa Damai Construction construct a Housing Project at Bukit Pasir, Muar which accommodate 250 units of house with cost of RM 43,500,000.00 at 2014. On 2018, this company decide to construct another housing project at Pagoh and the construction design is based on the previous project. Housing project at Pagoh will involve 150 units houses and the construction cost is expected to be increased by 3.2% per annum. Estimate the total cost of Project B. (10 marks)
- Q4** (a) State **FIVE (5)** purposes of Quantity measurement. (5 marks)
- (b) Referring to **Figure Q4 (a), (b), (c)** and the data given measure the quantity below by using dimension paper:-
- (i) Excavation of top soil (3 marks)
- (ii) Concrete for stump (5 marks)
- (iii) Reinforcement for pad footing. (5 marks)
- (iv) Formwork for pad footing. (2 marks)
- (v) Links for ground beam A (5 marks)

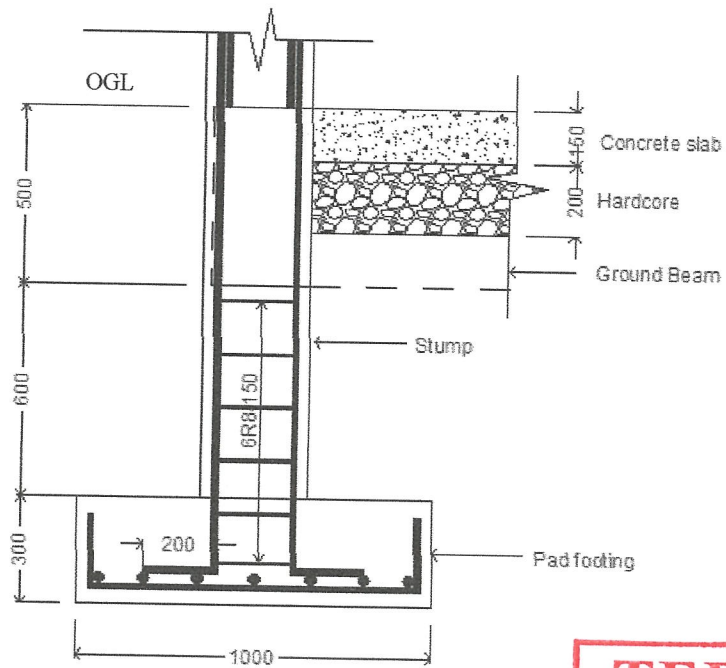
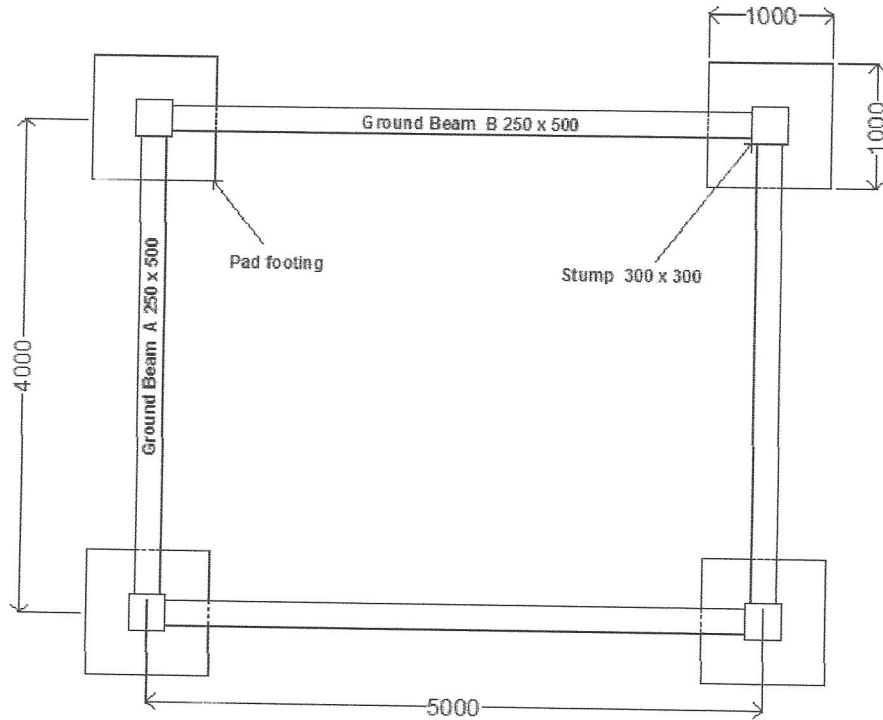
- END OF QUESTION -

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**Figure 5 (a) : Foundation**

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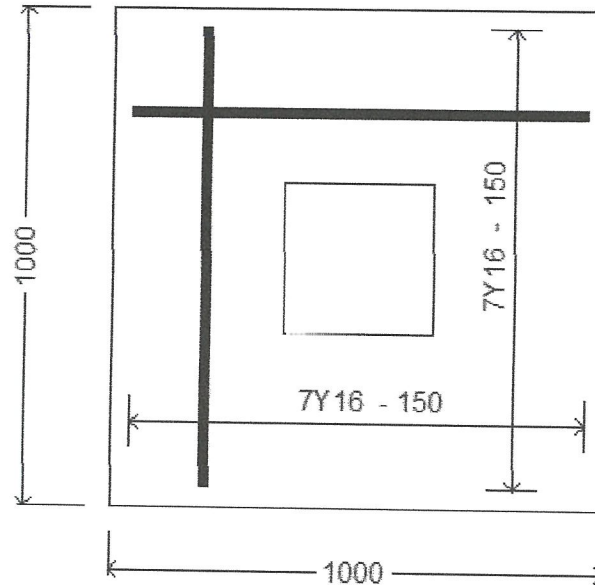
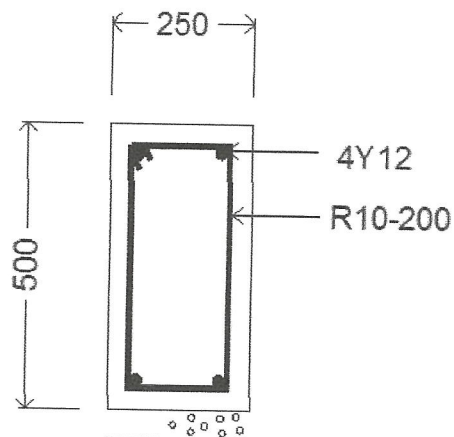


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**Figure Q4 (b) : Pad Footing****Figure Q4 (b) : Cross Section Ground Beam**

Data given :

- (i) Pad footing concrete cover 50 mm
- (ii) Concrete cover for ground beam 25 mm
- (iii) Grade concrete 30 for pad footing, stump and ground beam
- (iv) Topsoil 150 mm.

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