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**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**FACULTY OF ENVIRONMENTAL TECHNOLOGY**  
**DEPARTMENT OF QUANTITY SURVEYING**  
**FIRST SEMESTER EXAMINATION, 2016/2017 SESSION**

**COURSE TITLE:** TENDERING AND ESTIMATING III

**CODE:** QTS 416

**INSTRUCTIONS:** ANSWER ALL THE QUESTIONS

**TIME ALLOWED:** TWO

- 1
  - a) State the general information required for estimating preliminaries.
  - b) Calculate the preliminary cost to be inserted in the bill of quantity for contractor site supervision for a construction project of which you are the Quantity Surveyor in-charge. Contract period is 15months. Make necessary assumptions
- 2 Your company was invited to tender for the provision of a precast concrete (1: 1½: 3-12mm aggregate) saddle coping size 250mm wide by 75mm thick, reinforced with mesh and bedded with cement mortar (1 : 4) on a fence measuring 100metres.
- 3 100nos vitreous China low level W.C suit complete with accessories and plugged to concrete floor are to be fixed in the toilet of a fifteen storey building. As the Quantity Surveyor in-charge of the project estimate the cost of the work.
- 4 Build up rate for the following five hundred units of 550 x 400mm wash hand basin complete with brackets, chromium plated tap, including plug and chain. Estimate the cost of the items.
- 5 Build up rate for "Prime with red oxide primer and paint one undercoat and one gloss finishing coat of oil paint on burglary proof size 2000mm wide x 1200mm high. (100 No Allow 150mm over window opening. Size of square pipe = 25mm.