



FIRST SEMESTER EXAMINATION 2017/2018 SESSION

COURSE CODE: QTS 416 **COURSE TITLE:** TENDERING AND ESTIMATING III

TIME ALLOWED: 2 Hours

CREDIT LOAD: 2 Units

INSTRUCTION: Attempt all the Questions

- 1
 - a) State the general information required for estimating preliminaries. (10marks)
 - b) Calculate the preliminary cost to be inserted in the bill of quantities for contractor site supervision for a construction project of which you are the Quantity Surveyor in-charge. Contract period is 15months. Make necessary assumptions (10marks)
- 2 Your company was invited to tender for the provision of a precast concrete (1: 1¹/₂: 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 500metres. Produce an estimate for the job. (30marks)
- 3 150 x 150 x 6mm ceramic glazed wall tiles laid to square grid fixed to screeded backing (Measured separately) pointed in neat white cement. White cement=N144,000/m³ (15marks)
- 4
 - a) 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. (10marks)
 - b) 20mm PVC rigid screw conduit fixed to the concrete or block wall in chases. Calculate the cost of 500 metres. (5marks)
- 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. (20marks)