



INSTRUCTION: Answer any **one** question in **section A** and **all** questions in **section B**. Marks will be awarded for clear and logical presentation of work. Method of measurement must conform to BESMM4 which shall be allowed into the examination hall (unmarked one) Credit will be given for legibility and methodical order in taking off, appropriate coding and waste calculations. All assumptions must be clearly indicated. You are advised to study the drawing in conjunction with the specification notes.

SECTION A

Q1. Take-off for the substructure of step foundation in the drawing nos QTS 321/2018/2019/01 attached. (20 marks)

Q2. The attached drawing nos QTS 321/2018/2019/02 is the proposed studio of Department of Quantity Surveying to be erected on sloping site in GK, as a Quantity Surveyor you have been assigned to take-off for the **substructure only**. (20 marks)

SECTION B

Q3. With reference to the attached drawing nos: QTS 321/2018/2019/03, take-off for the staircase and its associated works (excluding reinforcement bar and metal work). (20 marks)

Q4. As a Quantity Surveyor for a building firm you have been assigned to take-off for the finishes aspect of the attached drawing nos QTS 321/2018/2019/04, reference should be made to the schedule of finishes attached as the specification notes. (20 Marks)

Specification Notes

1. All top soil excavation is 150mm.
2. **Ceiling:** The whole apartment is made up of 6mm x 600mm x 600mm celotex ceiling board, apply three coats of white emulsion paint (**both internally and externally**).
3. **Walls:**
 - (i) Terrace, Lobby, Living and Dining, and bed rooms are to be plastered and apply 2ce emulsion paint.
 - (ii) **Kitchen** will be plastered with 12mm th cement and sand, and finished with 2undercoats and one finish coat of hard gloss paint.
 - (iii) 12mm thick cement and sand (1:4) plastering shall be applied to walls and 2ce emulsion paint above 1.8 to ceiling height, but from ground level to a height of 1.8m shall be applied 6 x 150 x 150 white glazed wall tiles on trowelled backing in W.C
4. **Floor:**
 - (i) W.C, lobby, and Living and dining rooms will be floored with 18mm in situ terrazzo finish on cement and sand base (1:4)

- (ii) 150 X 150 X 16mm red quarry ceramic tiles will be applied on screeded bed at the **kitchen.**
- (iii) 3 mm thermoplastic PVC tiles will be applied on cement and sand screed at the **bed rooms only**
- (iv) **Terrace and store** contain 50mm trowelled bed only.

5. Skirting:

- (i) 150mm x 12mm quarry tile skirting with rounded top and 12mm c & s (1:3) backing will be applied to **Bed room and dining and Living room only**
- (ii) 150mmx 25mm splayed top edge hardwood skirting, plugged and KPS (2) to be applied to **Store and Kitchen only.**