



FIRST SEMESTER EXAMINATION 2017/2018 SESSION

COURSE CODE: QTS 312 **COURSE TITLE:** BUILDING CONSTRUCTION TECH. III

TIME ALLOWED: 2 Hours 30 Minutes

CREDIT LOAD: 2 Units

INSTRUCTION: Answer all Questions

Question One:

- a) Differentiate between *Staircase* and *Ramp*.....(5 Marks)
- b) List and explain the functional requirements of stairs and ramp.....(5 Marks)
- c) With the aid of a branch diagram, state the different classification of stair cases.....(5 Marks)

Question Two:

- a) List and explain any three (3) major types of bricks in building works.....(5 Marks)
- b) List and explain any three (3) types of mortar you know.....(5 Marks)
- c) With the aid of neat sketches, explain any three (3) types of staircases.....(5 Marks)

Question Three:

- a) Explain the principles of '*Natural-dry seasoning*' of timber and the '*artificial or kiln seasoning*'.....(4 Marks)
- b) List any eight (8) examples of Hardwood and Softwood timber.....(4 Marks)
- c) With the aid of a branch diagram, state the different classification of floor finish.....(3 Marks)
- d) Explain any two (2) examples of '*finish to concrete*' and '*finish to timber*'.....(4 Marks)

Question Three:

- a) State any three types of cement you know.....(4 Marks)
- b) Distinguish with examples, the difference between ferrous and non-ferrous metals.....(4 Marks)
- c) Explain with sketches, any four (4) types of skirting you know.....(4 Marks)
- d) Write short notes on the following:
 - i) Pebble-dash finish.....(1 Marks)
 - ii) Spatter-dash finish.....(1 Marks)
 - iii) Machine-applied finish.....(1 Marks)