

FACULTY	ENGINEERING & TECHNOLOGY
DEPARTMENT	BUILDING & CIVIL ENGINEERING
COURSE/CLASS	DIPLOMA IN BUILDING & CIVIL ENGINEERING
UNIT CODE	EBC 2104
UNIT NAME	WORKSHOP TECHNOLOGY II
SERIES	APRIL 2016
DURATION	2 HOURS
NO. OF STUDENTS	15

This paper contains **FIVE** questions answer any **THREE**. All questions carry equal marks.

EBC2105: WORKSHOP TECHNOLOGY II

QUESTION ONE

- a) With the aid of sketches differentiate between a try square and a metre square (**8 marks**)
- b) State the **SIX** steps you would follow when preparing timber by hand using jack plane (**12marks**)

QUESTION TWO

- a) State the uses of the following fittings used in scaffoldings:
 - i. Reveal pin
 - ii. Base plate
 - iii. Swivel coupler
 - iv. Double coupler
 - v. Putlog coupler

(10 marks)
- b) Show with sketches the difference between an independent scaffold and putlog scaffold (**10marks**)

QUESTION THREE

- a) What are the **FOUR** purposes of a bond in brickwork? (**8 marks**)
- b) Briefly differentiate the terms plastering and rendering (**2marks**)
- c) State **FIVE** requirements of a good mortar (**10marks**)

QUESTION FOUR

- a) With the aid of sketches, differentiate between a gauge and a gouge, stating the use of each (**10marks**)
- b) Show with sketches, a dovetail having and cross-halving joint. (**10marks**)

QUESTION FIVE

- a) Name **FOUR** advantages and disadvantages of block work over brickwork (**8 marks**)
- b) Show with sketches the difference between a steel float and wooden float. (**12 marks**)