



**CONSTRUCTION TECHNOLOGY 1B  
CTCCOB1  
SECOND SEMESTER MAIN EXAMINATION 2019**

<b>FACULTY:</b>	ENGINEERING AND BUILT ENVIRONMENT
<b>DEPARTMENT:</b>	CONSTRUCTION MANAGEMENT & QUANTITY SURVEYING
<b>COURSE CODE:</b>	CONSTRUCTION TECHNOLOGY 1B (CTCCOB1)
<b>EXAMINER:</b>	MR O. A. OGUNTONA
<b>MODERATOR:</b>	MR C.J EMERE
<b>DATE:</b>	12 <sup>TH</sup> NOVEMBER 2019
<b>TIME:</b>	3 HOURS
<b>VENUE:</b>	ROOM G213, DFC Q/K BUILDING
<b>TOTAL MARKS:</b>	100

**INSTRUCTIONS: (Read Carefully)**

Ensure your **SURNAME & INITIALS**, **STUDENT NUMBER** and **COURSE CODE** is clearly and boldly written on the assessment booklet and the question paper provided.

Answer **ALL** questions and use **PENCIL** when drawing.

No cell phones or other electronic devices are allowed in the examination.

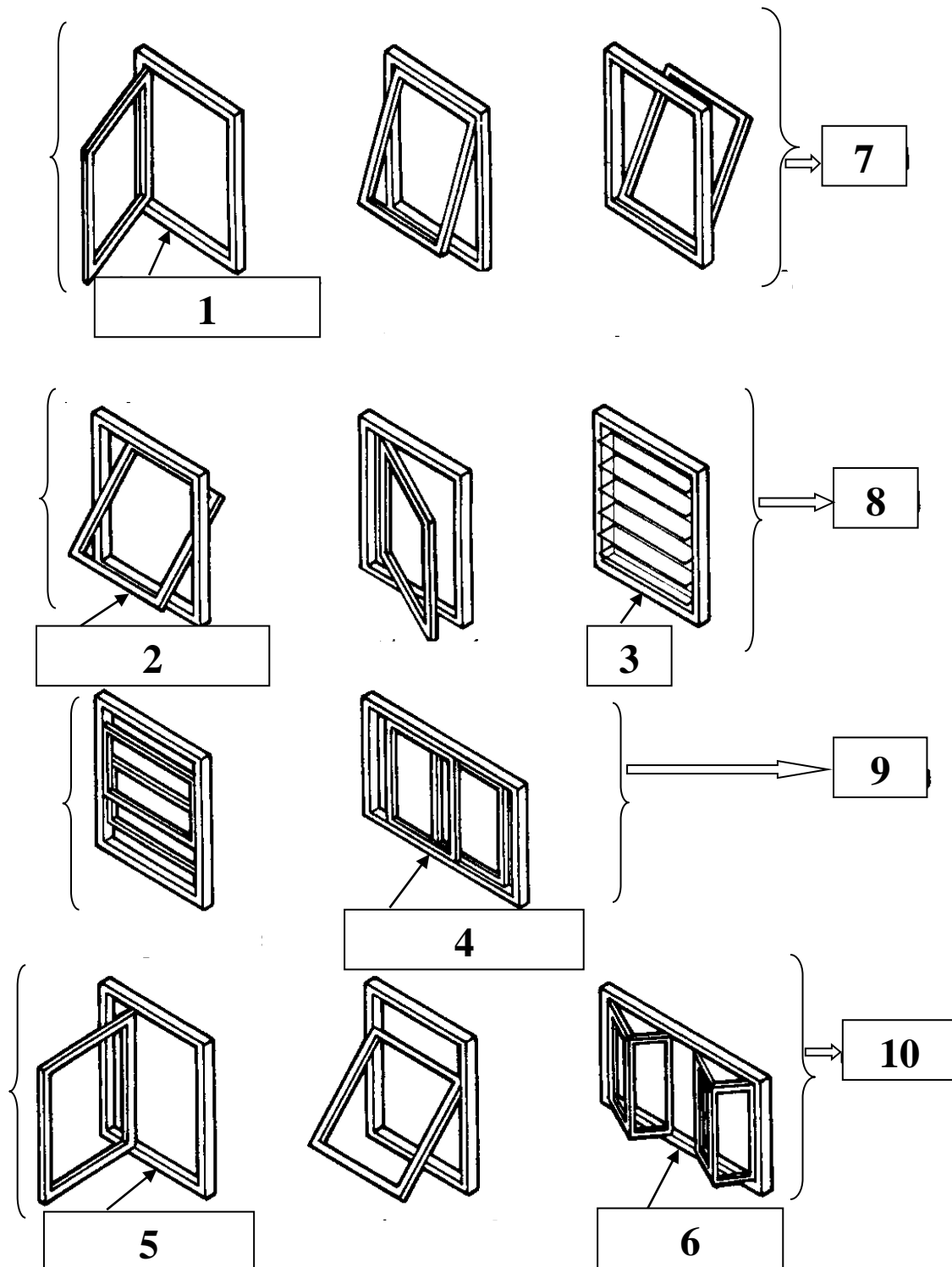
All Questions should be answered on the provided assessment booklet.

**SURNAME & INITIALS:** \_\_\_\_\_

**STUDENT NUMBER:** \_\_\_\_\_

## SECTION A

Using the diagram below, answer the following corresponding questions. Provide the names of the window types (1-6) and the window classification (7-10).



[10 marks]

11. Each paint type generally contains some or all the four (4) ingredients namely \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_. [4marks]
12. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are the four (4) materials for window frames. [4marks]
13. \_\_\_\_\_ (%) for natural light and \_\_\_\_\_ (%) for natural ventilation are the minimum window requirements for all habitable rooms. [2marks]
14. \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are the different types of bonding for bricks above. [1mark]
15. \_\_\_\_\_ is provided in the outer skin of the wall to allow water drain out of the cavity. [1mark]
16. Cavities in walls should be between \_\_\_\_\_ mm and \_\_\_\_\_ mm. [1mark]
17. \_\_\_\_\_ is the name given to the process of leaving teeth when brickwork building has stopped for a while. [1mark]
18. \_\_\_\_\_ is the stepping of brickwork at the corners to allow new brickwork to join the wall at a later stage. [1mark]
19. \_\_\_\_\_ is a layer that separates the room from the roof space that is between the bottom of the roof trusses (the tie beams) and the apex of the roof. [1mark]
20. \_\_\_\_\_ is the name given to the galvanized sheeting/membranes that seal the junctions between roof coverings and walls. [1mark]
21. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are five (5) roof types. [5marks]

## **SECTION B**

- a) List eight (8) factors that influence the design of roof. [8marks]
- b) As a construction manager, state five (5) **precautions** you will observe when roof trusses are transported, stored and handled. [5marks]
- c) List and explain five (5) factors to consider in selecting the type of floor finish for a room. [10marks]
- d) Describe the five steps to be followed when laying a terrazzo floor. [5marks]
- e) List four advantages of using a PVC floor tiles. [4marks]
- f) List three (3) main functions of windows. [3marks]
- g) List five (5) common paint failures. [5marks]
- h) Briefly explain any two (2) of the common paint failures. [4marks]
- i) List any two (2) functions performed by ceilings. [4marks]
- j) List five (5) advantages of using Masonite as a cornice material. [5marks]
- k) State the five (5) steps to be followed when laying a terrazzo floor. [5marks]

## **SECTION C**

- a) Draw a freehand sketch of the longitudinal section through a concrete roof with cavity walls on both sides and showing how the rainwater is disposed-off on the roof. Clearly label and dimension your drawing. [10marks]