



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

FIRST YEAR FIRST TERM FOR CERTIFICATE IN

BUILDING TECHNOLOGY MODULE 1

1704/104: CARPENTRY

DATE: 10/6/2021

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

ANSWER ALL THE FIVE QUESTIONS

1.
 - a) Explain the deference between a carpenter and a joiner. (3 marks)
 - b) Name and draw two tools that were used by the old generation. (8 marks)
 - c) Draw the following tools
 - (i)-Plane.
 - (ii)-Bevel Square.
 - (iii)-Tenon saw. (9 marks)
2.
 - a) Explain what causes accidents in a workshop and indicate their remedies. (10 marks)
 - b) Name and explain five functional requirement of a roof. (10 marks)
3.
 - a) State five functions of roofs. (10 marks)
 - b) Make neat sketches of the following tools and name all the parts (10 marks)
 - Try square
 - Marking gauge

4. a) State THREE reasons for administering FIRST AID (6 marks)
- b) State seven forms of accidents (14 marks)
5. a) Make neat sketches of the following types of saws
- Rip- saw
 - Cross-cut saw
 - Coping –saw
 - Tenon-saw
 - Compass- saw
- (20 marks)