

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ELECTRICAL AND ELECTRONIC
ENGINEERING

EENG 113: ENGINEERING DRAWING II

STREAMS: BSC (EENG)

TIME: 2 HOURS

DAY/DATE: THURSDAY 06/04/2020

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS: Answer ALL questions

QUESTION ONE

- (a) What is Computer Aided Design/Drafting (CAD) [1 mark]
 - (b) What is a model? [2 marks]
 - (c) What are the basic elements of a CAD system? [6 marks]
 - (d) Differentiate between 2D models and 3D models [4 marks]
 - (e) List three uses of 3D modeling [3 marks]
 - (f) List and explain the 3D coordinate systems in AutoCAD [4 marks]
 - (g) Explain the three different types 3D modeling [3 marks]
 - (h) Name and explain 4 solid primitives used on AutoCAD? [8 marks]
 - (i) Explain 4 major benefits of CAD [4 marks]
 - (j) With the help of a diagram, show the generic CAD process [5 marks]
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