

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF SURVEYING & GEOINFORMATICS
SECOND SEMESTER EXAMINATION 2018/2019 SESSION

COURSE: SVG 122- INTRODUCTION TO CARTOGRAPHY

TIME ALLOWED: 2 Hrs.

INSTRUCTION: ANSWER THREE (3) QUESTIONS

1a. A line AB, 2000m long, lying at an elevation of 500m measured 8.65m on a vertical photograph for which focal length is 20cm. Also determine the scale of the photograph in an area the average elevation above 800m.

b(i) What are map issues? Highlight the existing types of map.

(ii) Define Draughting and highlight 2 methods of Draughting.

2a (i) A camera having focal length of 20cm is used to take a vertical photograph to a terrain having an average elevation of 1500 meters, what is the height above sea level at which an aircraft must fly in order to get the scale of 1:800

b. Write an Explanatory note on the following

(i) Organization of map element

(ii) Balance of map element.

(iii) Colour convention

3 (a) What are the functions of colour in a map design.

b (i) Differentiate between Typography and Cartography

(ii) Highlight the various ways of relief depiction in cartography

(iii) What do you understand by map elements, list and Explain 5 elements of a map.

4 a. What are the step by step process involved in orthophoto map production

i) Define Georeferencing and orthorectification

ii) Differentiate between lithography and photolithography

iii) Highlight the existing types of map

GOOD LUCK.