

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF SURVEYING AND GEOINFORMATICS
FIRST SEMESTER EXAMINATION: 2017/2018 SESSION.

SVG 414: DIGITAL MAPPING II

TIME ALLOWED: 2hrs

INSTRUCTION: ANSWER ANY FOUR (4) QUESTION

1. (a) how would you print out a topographic sheet half its original size without vectorizing it?
(b) What scale would the half size print be, if the original topographic was of scale-1:10,000 (show your arithmetic)?
2. (a) state the stages to follow in converting a hard copy area photograph in to a line map of street guide.
(b) Differentiate between a photograph and an image
3. (a) How would you have : an image, a land use map and a street guide overlaid and printed out as one overlay map, if the given maps where hard copies.
(b) On the legend how would you manage the signs and symbols?
4. (a) What do you understand by graphic balance in a map?
(b) How should lettering be aligned generally on a map?
(c) List the hardware require for converting A0 map print in to digital form.
5. (a) You are given a hard copy map of Gidan Kwano campus for you to convert it to digital copy, itemize the procedure to achieve the desired results in higher order of accuracy
(b) What are the two major sources' of raster images and why?
6. (a) What happens if a picture is enlarged beyond its normal size and why?
(b) List 10 CAD and 3D rendering programs.
(c) Write the full meaning of the following files type: JPG, GIF, PNG, TIFF, BMP, PSDs, and EPS.