

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

(School of Environmental Technology)

DEPARTMENT OF SURVEYING & GEOINFORMATICS

Second Semester PGD Examination 2018/2019 Session

Course: SVG 627 (ELECTRONIC SURVEYING & INSTRUMENTATION) Units; 2

Instruction: Answer any three questions of your choice **Time allowed: 1hrs 30min**

- 1(a) Compare the advantages of a modern EDM over the classical measuring Devices.
(b) Explain the three (3) broad classification of Electronic instruments
- 2 Global Navigation Satellite System (GNSS) has revolutionized surveying and geoinformatics;
(a) List five families of GNSS
(b) Briefly explain the DGPS mode of operation.
- 3 (a) What is the refractive index of any Electromagnetic Distance Measuring instrument?
(b) State the factors that helps to determine the exact refractive value of an EDM equipment..
- 4 (a) What are the distinguishing factors between a semi Total station and a Total station
(b) Differentiate between a Tellurometer and a Geodimeter

BEST OF LUCK.