FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA, NIGER STATE SCHOOL OF ENVIRONMENTAL TECHNOLOGY

DEPARTMENT OF SURVEYING AND GEOINFORMATICS

Answer only four questions

First Seme ste time; 2hours

- 1. Define surveying and Geoinformatics
- Write briefly on the history of surveying profession in Nigeria i.
- Write short note on the following
- Geodetic surveying i.
- Plane table surveying ii.
- 2b. convert the following from whole circle bearing to quadrantile bearing
- 210^{0} ii. 160° 34′ iii. 35° 45′ i.
- Write short note on the following
- Triangulation i.
- 11. Traversing
- Levelling iii.
- 3b. convert the following from Quadrantal bearing to whole circle bearing
- S78° 36′E ii. N47° 27′E iii. N27° 34′W i.
- 4. Mention five careers opportunities as a geomatics engineer.
- 4b. write short note on the following
- i. Accuracy
- ii. Precision
- 5. List and explain three types of errors in surveying
- 5b. compute the include angle of the following
- AB N30° 30'E, AC N30° 25'W i.
- AB S35° 45' AC N 45° 30'E ii.
- AB 70° 20° AC 285° 40' iii.
- 6. List five instrument used by a surveyor
- 6b. write short note on the following
- i. True meridian
- ii. Magnetic meridian
- Grid meridian iii.
- Arbitrary direction iv.