

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF PHYSICAL SCIENCES
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2015/2016 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 113P

COURSE UNIT: 3 UNITS

COURSE TITLE: Introductory Weather Analysis and Elementary Surveying

INSTRUCTION: ANSWER QUESTION ONE (I) AND ANY OTHER THREE QUESTIONS

- 1) On the Chart provided, perform the following:
 - a. Isobaric analysis
 - b. Identify the position of the I.T.D
 - c. Identify the areas of low and high pressure
- 2) Give a detail procedure for carrying out
 - a. Pilot Balloon ascent
 - b. Automatic radiosonde transceiver ascent
- 3) Identify and explain the different forms of coded messages used in meteorology.
- 4)
 - i. Define surveying
 - ii. Identify and explain any five types of surveying
- 5) Write short notes on **any two** of the following
 - i. Instrumental errors
 - ii. Personal errors
 - iii. Natural errors
- 6) Explain the three methods in leveling in survey.

