

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT
SECOND SEMESTER 2021/2022 EXAM
COURSE: LAND SURVEYING
CODE: ITE224
INSTRUCTION: Answer 4 Questions
TIME: 2hrs

Q1a. Define surveying (2 marks)

1b. List three (3) major component of survey work (3 marks)

1c. the entire work of survey operations may be divided into three (3) distinct stages.
List them and explain all (10 marks)

Q2a. 2b. Define field work. State the three (3) stages survey work can further be divided into and explain them in details (10 marks)

Q2b. Differentiate between the two (2) methods of determining distance (5 marks)

Q3a. Draw a dumpy level and label its parts. (10 marks)

Q3b. outline the four (5) possible errors as a result of human factor (5 marks)

Q4a. Q4b. Outline six (6) reasons why land survey are generally being carried out for. (6 marks)

Q4b. What are the six (6) important rules one must observed to prevent the survey work from being useless. (6 marks)

Q5a. State four (4) reason for reconnaissance survey (4 marks)

Q5b. Define the following terms

i. Check line

ii. Offset

iii. Taping (1 mark each = 3 marks)

Q5c. List six (6) classification of surveys based on the instrument used. (3 marks)