BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE EDUCATION

MASTER OF SCIENCE DUCATION DEGREE

COURSE COIDE: ME 504 (01).   NARRATION: MEASUREMENT AND EVALUATION

DURATION: 3 HOURS   TOTAL MARKS: 300 marks

INSTRUCTIONS

- Answer any three questions.
- Each question carries 100 marks except for the statistics question which carries 50 marks which will be converted to a percentage.
- Begin each answer on a separate answer sheet, relate your answers and examples to your subject of specialization in the education context.

SECTION A: RESEARCH METHODS

Choose **TWO** questions from this section.

1. Discuss **any four** factors that can affect test reliability.
2. Examine **any three** types of errors which could occur during measurement and evaluation in education.
3. Analyse **any four** characteristics of a good measurement tool.

SECTION B: STATISTICS

Choose **ONE** question from this section.

4.
   a. Explain the meaning and give an example of
     i.   purposive sampling [4]
     ii.   snowball sampling [4]
   b. A school head wants to find out if there is a relationship between the sex of the teacher and absenteeism from work. The school head obtains the following information.

Table 1: Relationship between sex of a teacher and absenteeism from work

Number of days absent per term	Female teachers	Male teachers
0-1	120	375
2-3	224	112
4-5	78	34
6-7	18	8