



ROBERT MUGABE SCHOOL OF HERITAGE AND EDUCATION

DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

B.ED [PRIMARY] (IN-SERVICE) HONOURS DEGREE

PART 2 SEMESTER 1

EXAMINATION QUESTION PAPER

MODULE CODE CMTP211

MODULE NARRATION: BUSINESS MATHEMATICS

DATE 2024

DURATION 3 HOURS

INSTRUCTIONS TO CANDIDATES:

Candidates may attempt **ALL** questions in Section A and **ANY THREE** questions from Section B.

SECTION A [40 marks]

Candidates may attempt ALL questions being careful to number them A1 to A3

A1. (a) Distinguish the following terms

(i) Sample and population [4]

(ii) Discrete variables and continuous variables [4]

(iii) Type 1 error and type 11 error [4]

(b) State any two discrete probability distributions and any two continuous probability distributions [4]

A2. The following data shows the marks obtained by students in a Business Mathematics examination

34	46	47	38	23	16	27	28	17
29								
36	37	18	9	34	26	0	14	
46	27							

(a) Calculate the standard deviation of the data [6]

(b) Find the range of the data [2]

(c) Construct a stem and leaf display of the data [4]

(d) Construct a box and whisker of the data [6]

A3. A car manufacturing company produced the following number of cars per day in one week.