



ROBERT MUGABE SCHOOL OF HERITAGE AND EDUCATION

DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

**BACHELOR OF EDUCATION SECONDARY IN-SERVICE
HONOURS DEGREE**

**BACHELOR OF EDUCATION PRIMARY INSERVICE
HONOURS DEGREE**

LEVEL 1 SEMESTER 1

EXAMINATION QUESTION PAPER

MODULE CODE

CMTS 113/CMTP113

MODULE NARRATION

**APPLICATIONS OF LEARNING
THEORIES IN MATHEMATICS**

DATE

DURATION

3 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer any THREE questions**
- 2 All questions carry equal marks**

1. Briefly outline the principles of Bruner ' s Constructivist Learning Theory. How can you apply this theory in teaching Word Problems at secondary schools. [25]
2. State the importance of logical sequencing of topics in the learning of Mathematics basing on Piaget ' s Stage Theory. [25]
3. Explain the relationship between mathematics and arts basing your arguments on two learning theories in Mathematics ? [25]
4. What points should be borne in mind while evaluating critically a Mathematics syllabus? Discuss in detail. [25]
5. Discuss the role of visual representations in the teaching and learning of Mathematics . [25]

END OF PAPER