



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

DEPARTMENT OF DIGITAL TECHNOLOGY

EXAMINATION PAPER

COURSE CODE : CDT 409
COURSE TITLE : **Wireless Communication**
SPECIAL REQUIREMENTS : None
DURATION : 3 Hours
LEVEL : 4.1
DATE : 2023

11 OCT 2023

INSTRUCTIONS TO CANDIDATES:

1. Answer any 4 Questions from the whole paper.
2. The total Marks for the examination is 100.
3. The marks allocation for each question are indicated in square brackets [] .



Question 1

Discuss any five types of wireless communication systems [25]

Question 2

Describe the following terms in wireless Communication technologies

- i. Equalization,
- ii. Diversity
- iii. Channel coding,
- iv. Speech coding

Question 3

Discuss the components of GSM architecture [25]

Question 4

Discuss the following multiplexing techniques

- i. Time Division Multiplexing,
- ii. Frequency Division Multiplexing,
- iii. Code Division Multiplexing
- iv. Space division Multiplexing

[25]

Question 5

Mobile Communication technology has been a game changer in communication spectrum. Discuss [25]

Question 6

Discuss any five threats to wireless network [25]

End of Paper