



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF COMMUNICATION STUDIES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF JOURNALISM AND MASS COMMUNICATION

HMC4407: ADVANCED RADIO PRODUCTION

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2024

TIME: 2HOURS

DATE: Pick Date DECEMBER 2024

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID)

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- a. Define;
 1. Signal processing (2 marks)
 2. Equalizer. (2 marks)
- b. Discuss the reason for editing your work in the studio. (6 marks)
- c. With the help of a diagram explain the five (5) microphone polar patterns (10 marks)
- d. Explain any five elements that distinguish between monaural sounds from stereophonic sounds. (10 marks)

Question TWO

As a studio professional, you have been contracted to produce an audio album for the TUM choir, with the help of diagrams discuss the working concepts of the stereophonic microphone techniques you may use in the recording. (20 marks)

Question THREE

You are in charge of managing a professional studio in the city centre. Discuss the studio etiquette inside the studio in relation to the following;

- a. Good working practise. (5 marks)



- b. Cabling and stands. (5 marks)
- c. Microphones. (5 marks)
- d. Amplifiers and headphones. (5 marks)

Question FOUR

With the help of a diagram, explain the signal flow of sound in a professional studio setting.
(20 marks)

Question FIVE

- a. With the help of a diagram discuss the envelop of sound (10 marks)
- b. Discuss the pros and cons of a home studio versus a professional studio (10 marks)