



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

*Faculty of Business & Social Studies*

DEPARTMENT OF MEDIA AND GRAPHIC DESIGN

DIPLOMA IN MASS COMMUNICATION (RADIO & PRINT)

## RADIO PRODUCTION TECHNIQUES II

**THEORY PAPER**

END OF SEMESTER EXAMS

**SERIES:** APRIL/MAY 2010

**TIME:** 2½ HOURS

### INSTRUCTIONS TO CANDIDATES

1. This paper consists of **FOUR** questions.
2. Answer **ALL** questions.
3. Cheating leads to disqualification.
4. Switch off mobile phone.

- Q.1 (a) (i) Define 'mixer'. (2 marks)
- (ii) Mention **FOUR** other names for the mixer. (4 marks)
- (b) Using a simple diagram explain the different circuit functions of a mixer. (12 marks)
- (c) State any **FOUR** other production equipments found in the sound studio aside from the mixer. (4 marks)
- Q.2 (a) Explain the **THREE** tape formats. (6 marks)
- (b) Briefly explain the **FOUR** main purposes of editing. (8 marks)
- (c) State any **SIX** key attributes of the compact disc (CD). (6 marks)
- Q.3 (a) (i) Define "microphone". (2 marks)
- (ii) Discuss **THREE** types of mic pick-up patterns. Use diagrams. (12 marks)
- (b) Write short notes on stereo. (6 marks)
- Q.4 Label the following parts on the diagram provided. (20 marks)
- Q.5 Identify the studio equipment provided and their operations. (20 marks)
- Q.6 (a) State the advantages and disadvantages of the following types of microphones.
- (i) Moving coil
- (ii) Ribbon
- (iii) Condenser (12 marks)
- (b) Explain the following mics:
- (i) Headset mic
- (ii) Lavalier mic
- (iii) Shotgun mic
- (iv) Handheld mic (8 marks)