



TECHNICAL UNIVERSITY OF MOMBASA
Faculty of Business & Social Studies
DEPARTMENT OF MEDIA & GRAPHIC DESIGN

UNIVERSITY EXAMINATIONS FOR DEGREE IN
BACHELOR OF JOURNALISM AND MASS COMMUNICATION
(BJMC YII, SII)

BMC 4213: RADIO PRODUCTION

END OF SEMESTER EXAMINATIONS

SERIES: APRIL 2015

TIME: 2 HOURS

INSTRUCTIONS:

- This paper consists of **TWO** Sections A & B.
 - Section A is **Compulsory**.
 - Answer any other **Two** questions in Section B.
- This paper consists of Two printed pages*
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SECTION A (Compulsory)

QUESTION 1

Define the following:

- | | |
|-----------------|-----------|
| a) Digital data | (2 marks) |
| b) Binary form | (2 marks) |
| c) Sampling | (2 marks) |
| d) Bit depth | (2 marks) |
| e) Bit rate | (2 marks) |
| f) Band width | (2 marks) |
| g) Decibel | (2 marks) |

QUESTION 2

Briefly discuss the following

- a) Nyquist Shannon sampling theory. **(3 marks)**
- b) Quantisation noise. **(3 marks)**
- c) Aliasing **(3 marks)**
- d) Dither **(3 marks)**
- e) Sample and hold **(4 marks)**

SECTION B (Answer any **Two** Questions)

QUESTION 3

As a producer in a leading radio station, you have been assigned an intern to assist you in the studio

- a) Advise the trainee producer on the tools of trade for conducting a field recording and why they need those tools. **(10 marks)**
- b) Enlighten the trainee on at least **FIVE** tips to keep in mind before venturing out for a field recording. **(10 marks)**

QUESTION 4

- a) Discuss the **SEVEN** functions of the console as used in radio production. **(14 marks)**
- b) With the help of a diagram discuss any **THREE** polar patterns of microphones. **(6 marks)**

QUESTION 5

- a) With at least **FIVE** points discuss how radio can be utilized by an individual. **(10 marks)**
- b) Discuss any **FIVE** ways how a radio producer can use music to make their programme capturing to the audience. **(10 marks)**