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) Nyguist Shanon 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 atleast **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 atleast **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)**