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 VII)

BMC 4417: SOUND ENGINEERING

SPECIAL/SUPPLEMENTARY EXAMINATIONS

SERIES: FEBRUARY 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

SECTION A (Compulsory)
QUESTION 1

a) Discuss the **THREE** large scale scale audio production processes. **(6 marks)**

b) State the **TWO** factors that affect the speed of sound waves. **(4 marks)**

QUESTION 2

a) State atleast **FIVE** training needs of a sound engineer. **(10 marks)**

b) Define the following terms:
   i) Dynamic range. **(2 marks)**
   ii) Standard operating level. **(2 marks)**

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iii) Maximum output level **(2 marks)**

iv) Noise floor **(2 marks)**

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

QUESTION 3

Explain at least **THREE** filter concepts for each of the following:

a) Usage

b) Gain staging

c) Curves over absolutes

d) Noise reduction

e) Isolation **(20 marks)**

QUESTION 4

a) Discuss the considerations a sound engineer should put in mind when evaluating amplitude.

(10 marks)

b) With the help of a diagram, explain why a sine wave is referred to as a perfect oscillation.

(10 marks)

QUESTION 5

a) Explain the characteristics of a sound waves. **(10 marks)**

b) A sine provides a basic building block of sound. Discuss. **(10 marks)**