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

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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)**

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)**