



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

**2021/2022 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER**

MAIN EXAMINATION

**FOR THE DEGREE OF
BACHELOR OF JOURNALISM & MASS COMMUNICATION**

COURSE CODE: JMB 428

COURSE TITLE: DIGITAL ANIMATION

DATE: 1ST SEPTEMBER, 2022

TIME: 2.00 - 4.00PM

INSTRUCTION TO CANDIDATES

Answer Question **ONE** and any other **TWO** Questions

TIME: 2 Hours

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

KIBU observes **ZERO** tolerance to examination cheating.

QUESTION ONE - COMPULSORY (30 MARKS)

- a) Distinguish between the following: (10 marks)
- | | |
|-----------------------------|--|
| i. MPEG and JPEG files. | iii. Stretching and skewing techniques |
| ii. Kinematics and morphing | iv. Analogue and digital signal |
| v. Pixels and bits | |
- b) Explain persistence of vision. (2 marks)
- c) Explain where compression of files is necessary. (2 marks)
- d) Discuss any two types of media memory storage. (4 marks)
- e) Explain ways in which computer animation differs from traditional animation. (4 marks)
- f) Explain the concept of inbetweening with aid of an example. (5 marks)
- g) Differentiate between PowerPoint and HTML. (2 marks)

QUESTION TWO (20 MARKS)

- a) Create a storyboard of tamasha week at Kibabii University. (6 marks)
- b) Illustrate how you could use five PowerPoint slides to illustrate (a) above in Kibabii University. (14 marks)

QUESTION THREE (20 MARKS)

- a) Explain stages in the development of the animation project. (10 marks)
- b) Illustrate using HTML how you could create a web page of your family. Assume that your story requires two pages, it has images, texts, sounds, and some text animations. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain what a fundamental principle is? (2 marks)
- b) Discuss any six fundamental principles of animation stating an application of each. (18 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss chroma keying (4 marks)
- b) Discuss four types of animation (12 marks)
- c) Differentiate between zoom out/in and panning (4 marks)