



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

Faculty of Business & Social Studies

DEPARTMENT OF MEDIA & GRAPHIC DESIGN

DIPLOMA IN MASS COMMUNICATION
(DMP/R4; DMP/R2)

MC 387: TELEVISION TECHNIQUES

END OF SEMESTER EXAMINATIONS

SERIES: SEPTEMBER/OCTOBER 2011

TIME: 2 HOURS

INSTRUCTIONS:

– Answer any **FIVE** questions.

QUESTION 1

- a) Give brief history of the development of television as an advancement in electronic media. **(10 marks)**
- b) (i) What is a monochrome TV system? **(2 marks)**
(ii) When was color TV developed? **(2 marks)**
- c) With a simple illustration describe a TV transmission system. **(6 marks)**

QUESTION 2

- a) With a simple diagram give a simple layout of a basic TV production studio. **(10 marks)**
- b) Name at least **SIX** equipments found in the production gallery. **(6 marks)**
- c) Name at least **FOUR** equipments found in the CCR (Central Control Room). **(4 marks)**

QUESTION 3

- a) As a studio technical operator can you describe a simple preventive maintenance you must always carry out before commencing any studio operations? **(8 marks)**
- b) (i) Name **THREE** types of recorders we use in recording TV programs. **(3 marks)**
(ii) Describe how studio automation changed the recording and storage of TV programs. **(6 marks)**
- c) What is a vision mixer? **(3 marks)**

QUESTION 4

- a) What are the equipments needed for Electronic News Gathering (ENG). **(6 marks)**
- b) What type of microphone is suitable for external video production? Explain. **(4 marks)**
- c) (i) State the suitable camera for ENG. **(2 marks)**
(ii) What type of lighting is normally used in outside production? **(2 marks)**
- d) Explain the importance of technological advancement in field production. **(6 marks)**

QUESTION 5

- a) Give a list of crew positions you will encounter in a multi-camera TV production. **(10 marks)**
- b) State a brief responsibility of the crew positions named (a) above. **(10 marks)**

QUESTION 6

- a) Define the following parts of a camera:
- (i) Lens (4 marks)
 - (ii) Imaging devices (4 marks)
 - (iii) View finder (4 marks)
- b) (i) What is a primary movement of a camera? (2 marks)
- (ii) Give at least **FOUR** secondary movements of a camera. (2 marks)
- (iii) What is a tertiary movement of a camera? Give examples. (4 marks)

QUESTION 7

- a) What is HDTV (High Definition Television)? Give its two other names. (4 marks)
- b) What is
- (i) DTV (Digital Television). (2 marks)
 - (ii) Digital converter box. (3 marks)
 - (iii) Digital tuner. (3 marks)
- c) (i) When did Kenya as a country start DTV transmission. (3 marks)
- (ii) Who are the sole signal distributors for DTV in the country? (3 marks)
- d) State two advantages of DTV over the analogue TV System. (2 marks)

QUESTION 8

- a) Give **THREE** purposes of editing a video program. (5 marks)
- b) Describe briefly the electronic video editing. (5 marks)
- c) Describe briefly **TWO** types of editing modes. (6 marks)