



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2018/2019 ACADEMIC YEAR  
SCHOOL OF SCIENCE AND INFORMATION SCIENCES**

**SECOND YEAR FIRST SEMESTER EXAMINATIONS  
BACHELOR OF SCIENCE IN INFORMATION  
SCIENCES**

**COURSE CODE: INS 2107  
COURSE TITLE: DIGITAL PRINT PRODUCTION**

**DATE: 4<sup>TH</sup> DECEMBER 2018**

**TIME: 1100 - 1300 HRS**

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**INSTRUCTIONS TO CANDIDATES**

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

This paper consists of 2 printed pages. Please turn over.

### **QUESTION ONE (COMPULSORY 30 MARKS)**

- a) Explain the following concept:
  - i. Digital Printing (2 marks)
  - ii. Computer-to -Press (2 marks)
  - iii. Substrate (2 marks)
  - iv. Bitmap (2 marks)
  - v. Screen printing (2 marks)
- b) Explain what is workflow integration (5 marks)
- c) Discuss raster image processor as used in digital print production. (5 marks)
- d) Explain what a scanner is and name four types of scanners. (5 marks)
- e) Discuss how to measure image quality. (5 marks)

### **QUESTION TWO**

- a) Assume that Maasai Mara University has decided to start a Digital Printing department. The University management has appointed you as officer in charge of the department. Explain advantages of Digital cameras over film cameras. (15 marks)
- b) Explain a page description language. (5 marks)

### **QUESTION THREE**

- a) Discuss the advantages of Digital printing. (12marks)
- b) Explain the 3D printing (8 marks)

### **QUESTION FOUR**

- a) Discuss the forms of colorimetric control. (10 marks)
- b) Explain digital proofing as used in printing Industry. (10 Marks)

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