



THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

**GRAPHIC ARTS DEPARTMENT
DIPLOMA IN PRINTING TECHNOLOGY
END OF YEAR I EXAMINATIONS
NOVEMBER 2007
INTRODUCTION TO PRINTING PROCESSES
3 HOURS**

INSTRUCTIONS TO CANDIDATES:

Answer any FIVE questions.

All questions carry equal marks and the maximum marks for each part of a question are as shown.

This paper consists of 2 printed pages

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1. (a) Define Printing:
 - (i) From the artistic perspective. (2 marks)
 - (ii) From the scientific perspective (2 marks)(b) Discuss the FOUR major printing processes. (16 marks)
2. (a) Explain colour. (6 marks)
(b) Using TWO examples, explain the following:
 - (i) The Additive colour theory (7 marks)
 - (ii) The Subtractive colour theory (7 marks)
3. (a) Explain the meaning of the term “proof” as used within the printing industry. (4 marks)
(b) Explain any FOUR categories of proofs used in the printing industry. (16 marks)
4. Explain:
 - (a) Maintenance as used in printing equipment. (5 marks)
 - (b) The THREE categories of maintenance. (15 marks)
5. (a) Define safety. (2 marks)
(b) Outline the THREE categories by which safety can be evaluated within the printing industry. (18 marks)
6. Explain any FIVE effects of Digital Technology in the Printing industry. (20 marks)
7. Explain the functions carried out in the product department of a printing organization. (20 marks)