

1401/315  
PRODUCTION TECHNIQUE  
June /July 2008  
Time: 3 hours

THE KENYA NATIONAL EXAMINATIONS COUNCIL  
CRAFT CERTIFICATE IN GARMENT MAKING  
PRODUCTION TECHNIQUE  
3 hours

**INSTRUCTIONS TO CANDIDATES**

*This paper consists of EIGHT questions.  
Answer question ONE which is compulsory and any other FOUR questions.  
Each question carries 20 marks.*

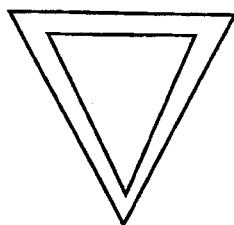
**This paper consists of 4 printed pages.**

**Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.**

1. Produce an operation sheet showing steps, key points, plain sketches and cross sections of the following:
  - (a) a french seam; (12 marks)
  - (b) a patch pocket. (8 marks)
2.
  - (a) Describe **two** types of maintenance. (4 marks)
  - (b) Explain **four** causes of machine down time. (8 marks)
  - (c) Highlight **four** ways of maintaining cleanliness in a workshop. (4 marks)
  - (d) Explain **two** criteria of identifying employees for promotion. (4 marks)
3.
  - (a) Explain **four** benefits of a suitable workshop layout. (4 marks)
  - (b) Explain **five** causes of faults in a garment production firm. (10 marks)
  - (c) Describe the following citing an example in each case:
    - (i) direct labour; (2 marks)
    - (ii) management staff; (2 marks)
    - (iii) support staff. (2 marks)
4.
  - (a) Explain **five** factors which determine productivity of a plant. (10 marks)
  - (b) Highlight **three** disadvantages for each of the following:
    - (i) make through; (3 marks)
    - (ii) progressive bundle. (3 marks)
  - (c) Explain the following terms:
    - (i) scheduling; (2 marks)
    - (ii) inventory. (2 marks)

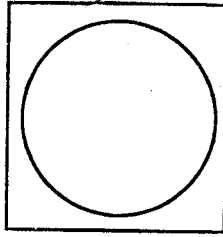
5. (a) Explain **five** factors to consider in choosing a material transportation system within the factory. (10 marks)
- (b) Outline **three** disadvantages of displaying an organization chart. (4 marks)
- (c) Explain **three** effects of political unrest on national productivity. (6 marks)
6. (a) Describe the steps to follow when giving practical instructions to a trainee. (10 marks)
- (b) Explain the following training methods citing an advantage and a disadvantage in each case:
- (i) job training; (4 marks)
- (ii) cross training. (4 marks)
- (c) Outline **two** ways of dealing with fabric waste. (2 marks)
7. (a) (i) Outline the procedure of administering discipline to an employee. (5 marks)
- (ii) Outline **seven** grounds on which an employee can be dismissed. (7 marks)
- (b) Explain **two** advantages and **two** disadvantages of recruiting new employees in an organization. (8 marks)
8. (a) Distinguish between wage and fringe benefits citing an example in each case. (4 marks)
- (b) Identify the following charting symbols as used in flow process charts:

(i)



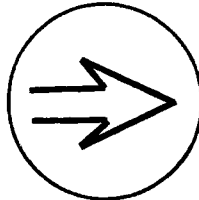
(1 mark)

(ii)



(1 mark)

(iii)



(1 mark)

- (c) Outline **four** principles of effective body motion patterns. (4 marks)
- (d) Highlight the following timing errors:
- (i) flyback; (1½ marks)
  - (ii) random/breakpoint error. (1½ marks)
- (e) Explain **three** effects of accidents in a factory. (6 marks)