1501/202 1508/202 1503/202 WORKSHOP ORGANIZATION AND MANAGEMENT Oct./Nov. 2016 Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN AUTOMOTIVE ENGINEERING CRAFT CERTIFICATE IN MECHANICAL ENGINEERING CRAFT CERTIFICATE IN WELDING AND FABRICATION

MODULE II

WORKSHOP ORGANIZATION AND MANAGEMENT

3 hours

INSTRUCTIONS TO CANDIDATES

Answer FIVE out of the following EIGHT questions in the answer booklet provided.
All questions carry equal marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of 4 printed pages.

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

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1.	(a)	Highlight three key activities involved in the following functions of management:		
		(i) controlling;		
		(ii) staffing;		
		(iii) planning.	(9 marks)	
	(b)	Henri Fayol's contribution to management was to establish the principles of management commonly practiced in organizations. Explain four of these principles.	(6 marks)	
			(O marks)	
	(c)	Industries are under obligation to attain social goals of the society within which they are located. Identify five ways in which they can achieve this obligation of the barrier to feet become		
		Dispersion Wind character V	(5 marks)	
2.)	(a)	Outline the procedure for method study.	(6 marks)	
	(b)	Highlight four applications of work measurement data in a manufacturing industry. *Granded Engineering transport of the result of the country of the result of the country of the result of the country of the result of the resu	(4 marks)	
		Cogni redudires Deserver Beneficial	bull-ways	
	(c)	Explain four principles of plant layout.	(8 marks)	
	(d)	State four types of allowances provided for in work study.	(2 marks)	
(3,	(a)	Explain four reasons for carrying out inspection during production in a manufacturing industry.	(8 marks)	
	(b)	(i) Differentiate between the control of the contro	The same of the sa	
	(42)	(ii) Highlight four advantages of central inspection over floor inspection.	Parment produ	
	Floor		(8 marks)	
	(C) almi	Explain the following principles of quality control: ** The world Quality	territor	
		(i) customer focus; - Ruetify of products extract the customer	ue autonat	
		(ii) continuous improvement P. Rew Cat Well of Madellate of the table with the Anti-culture grants Toupeness and	(4 marks)	
4.	(a)	State five functions of the purchasing department in an organization.	(5 marks)	
	(b)	The information below was extracted from the books of a light manufacturing		
	1000	industry for a given month:		

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Item	Cost (Ksh)
Rent	100,000
Cost of raw materials Salaries for production workers	250,000
Salaries for production workers	120,000
A pubbon prun paramos	- 40,000
Cost of designs and drawings	10,000
Depreciation of machinery	10,000
Transport for raw materials $O^{(k)}$	50,000
Insurance over	5,000
Selling and distribution costs of the selling and distribution costs o	12,000
Stationery and office expenses N*1	4,000

- identify the prime costs and production overheads; (i)
- (ii) calculate the total prime costs and the total overhead costs;
- (iii) if 20,000 units were produced during this month, calculate the unit cost of production. (15 marks)
- 5. (a) Explain four functions of the marketing department in a manufacturing industry.

(8 marks)

- (b) Explain three objectives of advertising in a company. Marriag wheat tracteurs
 - (6 marks)
- (c) Describe three situations that may compel a company to undertake market Reputation of company research.

(6 marks)

- Made of suppliance (i) Differentiate between wages and salaries. (a)
 - (ii) Outline four guidelines followed by companies when determining wages and salaries. (8 marks)
 - (b) Explain the following categories of general defences under the law of tort:
 - private defence; (i)
 - (ii) inevitable accident;

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(iii) act of God. (6 marks)

(c) Highlight three circumstances under which a court may order the dissolution of a partnership business. (6 marks)

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Condit of much rather years 7. Outline four objectives of production planning and control. (a) (4 marks) Explain the following activities of production planning and control.: (b) (i) routing; estimating; - he weighing of how long a st will like at non-lone be tran to comp dispatching. - he defining the for a head in production (6 mortes) (ii) (iii) (6 marks) promi Highlight four limitations of a mass production system, a tuckfort clo (4 marks) (c) Cherryan Define productivity to the form destricts in a manufacturing (d) (i) Explain two ways of increasing productivity in a manufacturing organization. (ii) (6 marks) ii) Mickeling Denous. 8. Explain the term 'production control'. (a) (i) Highlight four activities involved in production control. (ii) (6 marks) (b) List four symptoms of a poorly planned plant layout. (4 marks) Distinguish between inspection based on 'variables' and inspection based on (c) 'attributes' in quality control. Give one example in each case, (4 marks) (d) (i) Differentiate between open and closed tenders. (ii) State two advantages of tendering over single-sourcing of materials. (6 marks)

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