pdfeducation.com

2404/306 2407/306 2411/306 LABORATORY PRACTICE AND MANAGEMENT June/July 2020

Time: 3 Hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN APPLIED BIOLOGY DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY DIPLOMA IN ANALYTICAL CHEMISTRY

LABORATORY PRACTICE AND MANAGEMENT

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Answer booklet:

Battery operated scientific calculator.

This paper consists of TWO sections; A and B.

Answer ALL the questions in section A and any THREE questions from section B.

Each question in section A carries 4 marks while each question in section B carries 20 marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of 3 printed pages.

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

pdfeducation.com

SECTION A (40 marks)

Answer ALL the questions in this section.

1.	(a)	Distinguish between first and second degree burn.	(2 marks)
	(b)	Describe how mustard is administered as an emetic.	(2 marks)
2.	(a)	Give any two reasons for washing laboratory apparatus immediately after to	ise. (2 marks)
	(b)	Explain why aquaregia should never be used to clean platinum ware.	(2 marks)
3.	State	four types of plans in management.	(4 marks)
4.	(a)	Define the following terms as used in glass blowing:	
		(i) deritrification; (ii) carbonizing.	(1 mark) (1 mark)
	(b)	Describe formation of bloom on glass.	(2 marks)
5.	Expl	ain the installation of mercury barometer for use in the laboratory.	(4 marks)
6.	High	alight two advantages and two disadvantages of Terrazo laboratory floors.	(4 marks)
7.	Outline the bleeding procedure on a rabbit ear. (4 marks)		
8,	Diff	erentiate between dispute of rights and dispute of interest.	(4 marks)
9.	Describe use of the following documents in purchasing:		
	(i) (ii)	credit note; quotation.	(2 marks) (2 marks)
10.	Diff	erentiate between a valve and a flange.	(4 marks)

pdfeducation.com

SECTION B (60 marks)

Answer any THREE questions from this section.

11.	Expla	ain the steps followed in a suitable management control process.	(20 marks)
12.	Discu	iss safety with respect to:	
	(a)	storage of gas cylinders.	(10 marks)
	(b)	valves and fitting of gas cylinders.	(10 marks)
£ 13.	(a)	Outline the steps in processing of a black and white film to a negative.	(12 marks)
	(b)	State any four precautions to be taken while preparing developer solution.	(4 marks)
	(c)	State any four applications of photography.	(4 marks)
14.	(a)	(i) Define the term organisational chart.	(2 marks)
		(ii) State the importance of organisational chart.	(2 marks)
	(b)	Outline the major causes of industrial disputes.	(16 marks)
15.	(a)	Differentiate between:	
		(i) burn and scald; (ii) an aperient and an emetic.	
			(4 marks)
	(b)	Outline the first aid treatment of a victim of gas poisoning.	(4 marks)
	(c)	Outline the artificial respiration (mouth to mouth) procedure.	(8 marks) ⊀
	(d)	State four routes of transmission of poison in the body.	(4 marks)

THIS IS THE LAST PRINTED PAGE.