



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF **MEDICAL SCIENCES**
DIPLOMA IN PHARMACEUTICAL TECHNOLOGY
(DPT 11M)

APM 2214: PHARMACY PRACTICE DISPENSING AND COMPOUNDING II

SPECIAL/SUPPLEMENTARY: EXAMINATIONS

SERIES: February 2013

TIME: 3 HOURS

INSTRUCTIONS TO STUDENTS :

This paper consists of two sections A and B . Answer ALL questions in the space provided in the questions paper.

Maximum marks for each part of a question are actually made, their suitability, accuracy and the use made of them.

For examiners only

<i>Questions/sections</i>		<i>Maximum score</i>	<i>Candidate score</i>
SECTION A	Lab. Procedures and practice	5 marks	
	Actual practical tasks	35 marks	
	Sub total		
SECTION B	Actual practical tasks	20 marks	
	Reference notes	20 marks	
	Total	80 marks	

This paper consists of 8 PRINTED pages

SECTION A :- Answer ALL the Questions (4marks each)

Question ONE

- a) How many milliliters of a 5% w/v stock solution are required to prepare 200mls of a 1 in 200 solution?

- b) Calculate the amount of distilled water to be added to 150mls of a 1 in 500 solution so as to produce a 500ppm solution.

- c) Calculate the amount of drug in 1 litre of a 1 in 2000 solution.

- d) A pharmacist has 80mls of a 1.5% w/v cetrimide solution. What will be the final ratio strength if he dilutes this solution to 1400mls with purified water.

- e) Convert 1 in 500 solution into percentage strength.

SECTION B: Answer all the questions (20marks)

Question TWO

Prepare and dispense 300mls of Potassium Permanganet solution of such strength that 5 mls diluted to 200mls produces a 1:5000 permanganet solution. Label suitably for Mr. Joel Onyiro of , Box 117, Alego.

Sign : Soak feet bid

Signed:- Dr. Mativa A.M.
Nyanza PGH
Box 101, Kisumu

COPY OF PRESCRIPTION

--	--

(1mark)

CALCULATIONS

--	--

(3marks)

LEGAL ERRORS and OMISSIONS

(2marks)

METHOD

--	--

(4marks)

UTILITY (QUALITY CONTROL)

COPY OF LABEL

--

(1mark)

--

(7marks)

ACTION and USES:

(2marks)

Q3. Dispense the prescription below:-
Mary Anyango (AF)
P O Box 241, Migori

RX
Tabs CAptopril 25mg BD x 2/52
Tabs Mag. Trisilicate Co. II prn 20 800mg stat,
400mg bd x 1/52

Signed : Dr. Mnyonga R. M
C/O level 5 Hospital

(20marks)

COPY OF PRESCRIPTION	CALCULATIONS
(1mark)	(2marks)

LEGAL ERRORS and OMISSIONS

(2mark)

METHOD

(4marks)

UTILITY (QUALITY CONTROL)

COPY OF LABEL (Aptopril)

(1mark)

(6marks)

COPY OF LABEL :- (Captopril)

COPY OF LABEL : Mag. Trisilicate

(6mark)

(6marks)

Reference notes :-

- (i) CAPTOPRIL :-
(a) INDICATIONS:-**

(2marks)

- (b) DOSE:-**

(2marks)

- (c) INTERACTIONS:-**

(d) CONTRAINDICATIONS (2marks)

(e) CAUTIONARY/ADVISORY LABELS:- (2marks)

(ii) MAG. TRISILICATE:- (2marks)

(a) INDICATIONS:-

(b) DOSE :- (2marks)

(c) INTERACTIONS:- (2marks)

(d) CONTRAINDICATIONS:- (2marks)

(e) CAUTIONARY / ADVISORY LABELS

(2marks)

(2marks)