



ANJUMAN-I-ISLAM'S
AITC KALSEKAR TECHNICAL CAMPUS
INNOVATIVE TEACHING EXUBERANT LEARNING

School of Architecture

School of Engineering & Technology

School of Pharmacy

Knowledge Resource & Relay Centre (KRRC)

AIKTC/KRRC/SoP/ACKN/QUES/2014-15/

Date: 23/09/2014

School: SoP-CBSGS

Branch: SoP

SEM: V

To,
Exam Controller,
AIKTC, New Panvel.

Dear Sir/Madam,

Received with thanks the following ~~Semester~~/Periodic question papers from your exam cell:

Sr. No.	Subject Name	Subject Code	Format		No. of Copies
			SC	HC	
1	Organic Chemistry – III			✓	01
2	Cosmeticology			✓	01
3	Pharmaceutical Biotechnology			✓	01
4	Pharmacology-II			✓	01
5	Pharmaceutical Management			✓	01

Note: SC – Softcopy, HC - Hardcopy

Shaheen

(Shaheen Ansari)
Librarian, AIKTC



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ANJUMAN-I-ISLAM'S
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Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai

T. Y. B. Pharm. (Semester –V)
Periodic Theory Examination (2014 – 2015)

CBSGS

2014-15

Subject: Pharmacology II
Marks: 15 M

Date: - 11/9/2014
Time: - 12.00 am-1.00 pm

All Questions are compulsory

Questions

Marks

Q.1: State whether the following statements are true/false and justify your answer

(ANY THREE) (3 Marks)

- Glucagon causes hyperglycaemia.
- Thiocyanate and perchlorate are used for the treatment of hyperthyroidism.
- Combination of calcium should be avoided with vit D in the treatment of osteoporosis.
- Glucocorticoids can cause diabetes.

Q.2: Give mechanism of actions of following. (ANY TWO)

(4 Marks)

- Oral contraceptives
- Corticoids
- Sulfonylureas

Q.3: Classify anti-tubercular or anti-fungal drugs.

(2Marks)

Q.4: Attempt any TWO of the following

(6 Marks)

- Discuss the pharmacotherapy of Osteoporosis.
- Write a short note on Hormonal Replacement therapy.
- Classify anti thyroidal drugs. Explain the pharmacology of Thiouracil.
- Give the classification of Anti-malarial drugs and explain malarial life cycle of parasite in detail.



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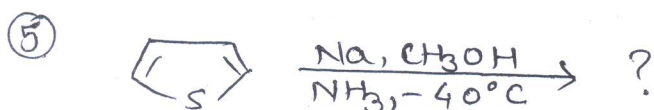
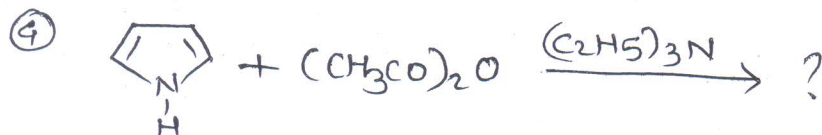
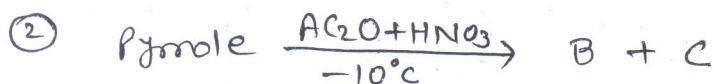
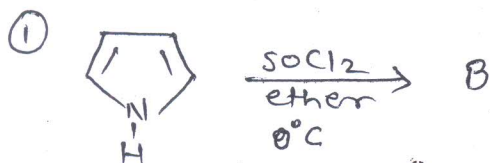
**T. Y. B. Pharm. (Semester-V)
Periodic Theory Examination (2014 – 2015)**

CBSEGS
2014-15

Subject: Organic Chemistry-III
Marks: 15M

Date: - 08/09/2014
Time: - 12:30pm to 01:30pm

- Q1. Outline catalytic oxidation route of citral. OR 3M
Comment on biocatalyst with any one example.
- Q2. Outline the synthesis of (Any 1) 4M
i) Knorr Pyrrole synthesis
ii) Hinsberg thiophene synthesis
- Q3. Predict the stereochemistry of following pericyclic reactions (Any 1) 2M
i) The thermal cyclization of conjugated tetraene.
ii) A photochemical 3,3 sigmatropic rearrangements.
iii) A photochemical cyclization of conjugated tetraene.
- Q4. Comment on cycloaddition reactions with stereochemistry. 2M
- Q5. Predict the product (Any 4) 4M





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**T. Y. B. Pharm. (Semester -V)
Periodic Theory Examination (2014 - 2015)**

Subject: Cosmeticology
Marks: 15 M

CBSGS
2014-15
Date: - 9/9/2014
Time: - ~~12-1 pm~~ 11. am - 12. pm,

Questions

Marks

1. Answer any three.

4X3=12

(a) Difference between lather shaving cream and brushless shaving cream.

(b) Repeat insult test.

(c) What are the different causes of dandruff?

Describe Antidandruff shampoo.

(d) Formulation ingredients used in tooth paste.

2. Describe any one

3X1=3

(a) Draize test

(b) After shave preparations.

(c) Patch test



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First Periodic Examination 2014-2015

Third Year (Semester 5)

**CBSGS
2014-15**

**Subject: Pharmaceutical Management
2014**

Date: 12th September

Time: 1hr

Total Marks: 15

**Instruction: All questions are compulsory
Each question carries 2 marks**

Q:1. Write stages of PLC with the suitable example from pharma industry.
(2)

Q:2 What is BCG Matrix? Explain it with example from pharma segment?
(2)

Q:3 Explain 'product' with respect to pharma industry.
(2)

Q:4 What do you mean by 4P's of Marketing?
(2)

Q:5 How do Indian pharma companies compete with multinational companies in emerging markets and what are the advantages that Indian companies have over multinationals?
(2)

OR

(2)

Q:5 Describe Porter's 5 forces with the help of example from Pharma industry.

1) Explain SWOT analysis in detail with an example. (2)

2) What is Motivation? Explain Maslows Hierarchy in Detail. (2)

3) What is importance of Ventilation & temperature under Factories Act 1948? (1)

ALL THE BEST

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**T. Y. B. Pharm. CBSGS (Semester -V)
Periodic Theory Examination (2014 - 2015)**

Subject: Pharmaceutical Biotechnology

CBSGS
Date: - 10/9/ 2014

Marks: 15 M

Time: -12p.m -1.00p.m

Note -All questions are compulsory

Draw diagrams wherever necessary

- Q. No. 1. a) Discuss different types of immunities with suitable examples. (1M)
b) Differentiate between endotoxin and exotoxin with suitable examples. (1M)
c) Define phagocytosis. Explain in brief about oxygen dependent and oxygen independent phagocytosis process. (2M)
- Q. No. 2. a) Discuss in short the design of fermenter with suitable diagram (2M)
- or
- a) Explain the effect of pH on fermentation. How the pH is monitored during fermentation process
- b) Give the schematic representation of commercial production of penicillin. (1M)
- or
- c) Give the schematic representation of potential uses of component of SCP.
- Q. No. 3. Define enzyme immobilization & give its classification. Explain any one method with examples. (2.5M)
- OR
- Define microbiological assay & give its different method. Explain any one method.
- Q. No. 4. Write Short Notes (ANY 2) (4M)
- 1) Transgenic animals
 - 2) Polymerase chain reaction
 - 3) Glucose oxidase as Biosensor
- Q. No. 5. Explain cDNA library with diagram. Enlist the different blotting technique & give (1.5M) microbial limit for lactose.