



ANJUMAN-I-ISLAM'S

AKTC 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/2015-16/

Date: 06/04/2016

School: SoP-CBSGS

Branch: SoP

SEM: VI

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	Pharmaceutical Chemistry - II			✓	01
2	Pharmaceutical Analysis - II			✓	01
3	Pharmaceutics - III			✓	01
4	Pharmacognosy & Phytochemistry - I			✓	01
5	Hospital Pharmacy & Drug Store Management			✓	01

Note: SC - Softcopy, HC - Hardcopy

(Shaheen Ansari)
Librarian, AIKTC



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KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

School of Pharmacy

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Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai

**T. Y. B. Pharm. (Semester –VI)
Periodic Theory Examination (2015 – 2016)**

**Subject: Pharmaceutical Chemistry-II
Marks: 15 M**

**Date: - 29-02-2016
Time: - 11:00am to 12:00pm**

- Q.1** Write a note on Proteomics? [04M]
- Q.2** Write a note on enzyme Inhibitors against microorganisms, viruses, body's own enzymes. [04M]
- Q.3** Explain in brief about Intermolecular bonding forces like electrostatic, hydrogen bonding, van der Waal's interactions, dipole-dipole and ion-dipole interactions and hydrophobic interactions. [04M]
- Q.4** Write a note on lipids, carbohydrates, proteins and nucleic Acids as drug targets. [03M]

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**Third. Y. B. Pharm. (Semester –VI) CBSGS
Periodic Theory Examination**

Subject: Pharm Analysis II

Date:- 01-03-16

Marks: 15

Time:- 11.00am-12.00pm

Questions

1. **Justify your answer with proper examples** (5 M)
 - i) Amino group $-\text{NH}_2$ act as auxochrome: - **True or false**
 - ii) Write any two differentiating points of Fluorimetry and UV-visible spectroscopy
 - iii) Write the relationship between wave number and wavelength
 - iv) Define Monochromator and its applications
 - v) λ_{max} of any drug changes with its concentration:- **True or False**

 2. **Explain in detail**
 - i) Explain in detail about **chemical derivatization in Fluorimetry** with proper example and its structure (2M)
 - (or)
 - i) Write in detail about **sample preparation** method in IR spectroscopy (2M)

 - ii) $A^{1\%}_{1\text{cm}}$ of paracetamol at its wavelength maximum is 715. Paracetamol standard 150 mg was dissolved in 100ml (Stock solution **A**), 1 ml of Solution A was pipette out and further diluted to 10ml (Sample solution **B**) gave an absorbance of 0.703 at max when measured in 1cm cell. Calculate the concentration of drug in g/100ml (3M)

 3. **Explain in detail about** (5 M)
 - i) Sodium in blood fluid is determined by _____ spectroscopy. Explain the working principle, instrumentation and application of this spectroscopy in detail. Write any **one Atomizer** technique involved in this spectroscopy in detail?
- (or)
- Do as directed**
- i) Discuss measurement of **rate constant** using UV-Visible spectroscopy (3M)
 - ii) What is **cationic interference in AES**? Give specific methods to overcome them? (2M)





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SEM VI : CBSGS (PERIODIC EXAM FEB-MARCH 2016)

SUB: PHARMACEUTICS-III

TIME: 1 HOUR

TOTAL MARKS: 15

**NOTE: ALL QUESTIONS ARE COMPULSORY
DRAW NEAT DIAGRAMS WHEREEVER NECESSARY**

Q I) Discuss in brief the effect of polymorphism on tablet compression. [2]

(OR)

Discuss the effect of granule flow properties on tablet weight uniformity.

Q II) Explain wet granulation process in manufacturing of tablets. List all equipments used in conventional techniques of wet granulation. [4]

QIII) Discuss capping and lamination in tablet manufacturing. [3]

QIV) Write Short notes on (Any 3) [6]

- a. Chilsonator
- b. Directly compressible diluents
- c. Single Punch tableting process
- d. Mottling in tablets





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T. Y. B. Pharm. (Semester –VI)
Periodic Theory Examination (2015-16)

Subject: Hospital Pharmacy & DSM
Marks: 15 M

Date: - 4/3/16
Time: - 11-12 AM

1. Write in brief different types of classification and function of Hospital [2M]
2. Write a note on **Pharmaceutical care.** [3M]

OR

Drug & Therapeutics Committee

3. Explain professional role and functions of retailers. [3M]
 4. What are code of ethics of pharmacist in relation to his profession [2M]
 5. Write short note on sole proprietorship [3M]
- OR**
- Hindu undivided family business
6. Give the classification of middlemen /agents involved in channels of distribution. [2M]





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T. Y. B. Pharm. (Semester --VI)
Periodic Theory Examination

Subject: Pharmacognosy and Phytochemistry I
Marks: 15

Date: - 05/03/2016
Time: -11.00 to 12.00

NOTE: Draw Diagram and Structures wherever applicable

1. State True or False and justify your answer (3M)

- Biological classification is based on the chemical constituents of the drug
- The term 'recurved' is used to describe the macroscopy of a fruit.
- Dried latex Juices is an example of unorganized drug.

2. Differentiate between (2M)

- Gums and Mucilage
- Cymose inflorescence and racemose inflorescence

3. Compare and contrast Acacia and Tragacanth gum (2M)

4. Discuss in detail morphological or microscopically features of Leaf (4M)

OR

Explain in detail one mucilage containing drug obtained from seeds (4M)

- Explain dried latex and dried extract (1M)
- Discuss calcium oxalate crystals (3M)

OR

Discuss the Biological source, chemical constituent, chemical test and uses of silk (3M)

