



ANJUMAN-I-ISLAM'S

**AIKTC 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

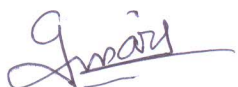
To,  
Exam Controller,  
AIKTC, New Panvel.

Dear Sir/Madam,

Received with thanks the following ~~Semester~~<sup>✓</sup>/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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**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  
Marks: 15

Date:- 01-03-16  
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)  $\lambda_{\text{max}}$  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 that spectroscopy in detail. Write any **one Atomizer** technique involved in that 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:**

**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**

**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)

**5. Explain dried latex and dried extract (1M)**

**6. Discuss calcium oxalate crystals (3M)**

**OR**

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



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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  
**OR** [3M]  
Hindu undivided family business
6. Give the classification of middlemen /agents involved in channels of distribution. [2M]