



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: 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

Ansari

(Shaheen Ansari)
Librarian, AIKTC



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

F. Y. B. Pharm. (Semester –V)
Periodic Theory Examination (2015-16)

Subject: Pharmaceutical Management
Marks: 15 M

Date: - 11/9/15
Time: - 11-12 PM

1. What are different components of healthcare industry? List areas of growth in Indian healthcare industry [2M]

OR

1. Briefly describe the SWOT analysis of Indian Pharmaceutical industry
2. Briefly describe the different types of capital needed for company [2M]
3. Describe different ways to segment market with examples. [3M]
4. What are the different techniques used for financial control? Describe different parts of Balance Sheet. [3M]

OR

4. Define Brand. What is the role of brand for companies? What can be branded with examples?

5. Describe in Short (ANY ONE)

- a. SWOT analysis
- b. Different stages in PLC and strategies taken in each stage



[5M]



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T. Y. B. Pharm. (Semester -V)
Periodic Theory Examination (2015 – 2016)

Subject: Pharmacology II
Marks: 15 M

Date: - 10/9/2015
Time: - 11.00 am-12.00 pm

All Questions are compulsory

Questions **Marks**

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

(ANY FOUR) (4 Marks)

- Use of Propylthiouracil should be minimized in pregnancy.
- Sulfonylureas can be given to obese patients.
- Oxytocin may be given at the beginning of the third stage of labour.
- Combination of calcium should be avoided with vit D in the treatment of osteoporosis.
- Moxifloxacin can be safely given to cardiac patients.

Q.2: Give mechanism of actions of following. (ANY TWO) (4 Marks)

- Oxytocin & Ergot alkaloids
- Vitamin D & Bisphosphonates
- Sulfonylureas & Biguanides

Q.3: (ANSWER ANY TWO) (4 Marks)

- Short note on genetic basis of resistance
- Rational for combining sulphonamides with trimethoprim
- Mechanism of action of penicillin

Q.4: (ANSWER ANY ONE) (3 Marks)

- Short note on tetracyclines
- Classify Cephalosporins. Describe their anti-bacterial spectrum and mechanism of action



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- b. Different stages in PLC and strategies taken in each stage





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T. Y. B. Pharm. (Semester -V)
Periodic Theory Examination (~~2012-2013~~) 2015-16

Subject: BIOTECHNOLOGY
Marks: 15M

Date: - 09/09/2015
Time: - 11.00 am-12.00 pm

Note

- (1) All Question are Compulsary
- (2) Draw diagram wherever necessary

1. Discuss with suitable diagram design of fermenter (3M)
2. Explain Microbiological assay and enlist its method (2M)
3. Differentiate between microinjection and embryonic stem cell method of transgenic animals. (1.5M)
4. Explain any method of DNA sequencing (3M)
5. Draw labelled diagram of PCR (2.5M)
6. Classify immobilization method and explain any one in detail (3M)





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T. Y. B. Pharm. (Semester -V)
Periodic Theory Examination (2015-2016)

Subject: COSMETICS
Marks: 15 M

Date: - 8/9/15
Time: - 11-12

- | Questions | Marks |
|--|-------|
| Q.1] Name the following: [Any 4] | [2M] |
| a. Type of patch test used for shampoos and hair dyes. | |
| b. Maximum percentage of beeswax used in cold cream. | |
| c. Physical sun screening agent. | |
| d. Cream used as base for foundation make-up | |
| e. Water soluble preservative used in cosmetics. | |
| Q 2] Classify colorants used in cosmetics? Give methods to evaluate colored cosmetic products? | [4M] |
| OR | |
| Q 2] Classify skin creams. Differentiate between cold cream and vanishing cream. | |
| Q 3] Explain functional evaluation tests for sunscreens cream. | [3M] |
| Q 4] Discuss sources of microbial contamination and methods to prevent those | [3M] |
| OR | |
| Q. 4] What are preservatives? Describe the factors affecting efficacy of anti- microbial ? | [3M] |
| Q 5] Classify and explain patch test for sensitivity testing of cosmetics. | [3M] |





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**T. Y. B. Pharm. (Semester -V)
Periodic Theory Examination (2015 - 2016)**

Subject: OC-III
Marks: 15 M

Date: - 07-09-2015
Time: - 11.00 am-12.00 pm

1. Define pericyclic reaction. Enlist the types of pericyclic reaction. [2M]
2. Describe electrocyclic reaction with suitable example. [3M]
3. Write a note on Diel's Alder cycloaddition reaction. [2M]
4. Write any two method of synthesis of Furan [2M]
5. Write a note on any one of the following [2M]
 - Paal knor synthesis of pyrrole
 - Hinsberg synthesis of thiophene
6. Predict the product (any two) [4M]

