



AIKTC/KRRC/SoP/ACKN/QUES/2018-19/

Date: _____

School: SoP-CBSGS

Branch: SoP

SEM: V

To,
Exam Controller,
AIKTC, New Panvel.

Dear Sir/Madam,

Received with thanks the following ^{✓ (A.T.K-T)} Semester/Periodic question papers from your exam cell:

| Sr. No. | Subject Name | Subject Code | Format | | No. of Copies |
|---------|------------------------------|--------------|--------|----|---------------|
| | | | SC | HC | |
| 1 | Organic Chemistry – III | | | | |
| 2 | Cosmeticology | | | ✓ | 02 |
| 3 | Pharmaceutical Biotechnology | | | | |
| 4 | Pharmacology-II | | | ✓ | 02 |
| 5 | Pharmaceutical Management | | | | |
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Note: SC – Softcopy, HC - Hardcopy

(Shaheen Ansari)
Librarian, AIKTC

11/05/2019

Time: 3 Hours

Marks: 70

- NB: (1) All questions are compulsory.
(2) Figures to the right indicate full marks.
- 1 (a) State the Schedule M II requirements for nail lacquer manufacturing. 2
(b) Write a brief note on anti-acne products. 3
(c) Enlist nail specialty products. 2
(d) Give an account of the mechanism of action of hair waving products. 2
(e) Elaborate on an after shave product with a suitable example 3
(f) Explain the formulation and evaluation of mouthwashes. 3
- 2 (a) State the sensitization reactions to cosmetics. Briefly explain various sensitivity testing methods. 4
(b) Discuss the formulation aspects of Cleansing products. 3
OR
Explain quality control tests for skin creams.
(c) Elaborate on the raw materials used in shampoos. 4
- 3 (a) Classify Wet shaving formulations. Discuss the formulation aspects and ingredients used in their formulation. 4
(b) Which are the various eye make-up products? Suggest a formula for one product. 3
(c) Write a detailed description of **any one**
(i) Preservatives and antioxidants used in cosmetics 4
(ii) Colors used in cosmetic products
- 4 (a) Write a note on Face Powders. 3
OR
Describe the formulation of Foundation cream.
(b) State the classes of hair colorants and explain any one class. 4
(c) Discuss quality control tests and BIS standards for Toothpastes. 4
- 5 (a) Write a short note on Depilatories. 3
(b) Give an account of large scale manufacturing of Lipsticks. 4
OR
Describe raw materials used in lipstick formulations.
(c) State the sources of microbial contamination in cosmetics manufacturing and suggest remedies to prevent it. 4
- 6 (a) What are the factors to be considered while formulating baby cosmetics? Enlist various baby cosmetics. 3
OR
Give an account of antiperspirants.
(b) Mention ideal properties of nail lacquers and explain suitable raw materials with examples which impart it. 4
(c) Elaborate on types of sunscreen agents and discuss evaluation of sunscreen products 4

[Time: 3 Hours]

[Marks:70]

Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory.
2. Figures to the right indicates full marks

- Q1 (a) Answer the following:- 12
i. Name two beta-lactamase inhibitors.
ii. Discuss the use of sulphonamides in the treatment of burns.
iii. Give example of calcineurin inhibitors used as immunosuppressants.
iv. What are tissue plasminogen activators? State their clinical uses.
v. What are emergency contraceptive pills?
vi. Enlist types of insulin preparations.
- (b) Fill in the blanks 3
i. ----- is an alpha glucosidase inhibitor.
ii. ----- antibiotics produces ototoxicity.
iii. ----- an iron chelator is used for the treatment of acute and chronic iron toxicity.
- Q2 (a) Answer any two of the following:- 8
i. Classify penicillins. Elaborate on beta-lactamase resistant penicillins.
ii. Classify anti-fungal drugs. Explain the mechanism of action, adverse effects and uses of ketoconazole.
iii. Classify Anti-amoebic drugs. Discuss the adverse effects and indications for the use of metronidazole.
- (b). Answer any one of the following:- 3
i. Explain rationale for the use of Cotrimoxazole.
ii. Discuss the mechanism of action and use of streptomycin.
- Q3 (a) Answer any two of the following:- 8
i. Classify oral hypoglycemic drugs and write a note on DPP IV inhibitors.
ii. Enlist types of oral contraceptive drugs. Write a note on estrogens.
iii. Discuss the pharmacotherapy of hypothyroidism.
- (b). Answer any one of the following:- 3
i. Discuss the effect of insulin on carbohydrate metabolism.
ii. Explain the role of vitamin D in maintaining bone mineral density.
- Q4 (a) Answer any two of the following:- 8
i. Discuss the pharmacology of clopidogrel.
ii. Elaborate on clinical use of folic acid and vitamin B12 in megaloblastic anaemia.
- (b). Write a short note on any one:- 3
i. Factors affecting iron absorption
ii. Low molecular weight heparins

(P.T.O)

Q.P. Code :05326

- Q5 (a) Answer any two of the following:- 8
- i. Enlist macrolide antibiotics. Discuss the actions, uses & side effects of Erythromycin.
 - ii. Classify anti-viral drugs. Write a note on protease inhibitors.
 - iii. Enlist anti-metabolites used in the treatment of cancer. Write a note on methotrexate.
- (b). Write short note on any one of the following:- 3
- i. Albendazole.
 - ii. Combination treatment of leprosy.
- Q6 (a) Answer any two of the following:- 8
- i. Classify immunosuppressants. Write a note on azathioprine.
 - ii. Give the pharmacological action, adverse effects and therapeutic uses of oxytocin.
 - iii. Discuss the use of bisphosphonates in the treatment of osteoporosis.
- (b). Write short note on any one of the following:- 3
- i. Chloroquine.
 - ii. Therapeutic regimens for the treatment of tuberculosis.