



QP Code:

2019/1/III/1.1

Reg. No.:

**IYear D. Pharm (2019 Batch) III Sessional Theory Examinations,
Feb-2021**

Pharmaceutics -I

Time: 3 hrs

Max. Marks: 80

- Answer any 8 questions
 - Draw diagrams wherever necessary
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1. Write about aerosols, it's formulation, containers and packaging. (10)
2. Write down the methods of size reduction, and construction of the following equipments: a) filter press b) Evaporating pan (2+4+4)
3. Define the following terms a) Emulsions, b) sublimation ,c) Extraction d)Homogenisation e) pessaries (2x5)
4. Classify dosage forms, write in detail about each dosage forms with two examples each. (4+6)
5. Write about simple distillation and fractional distillation (5+5)
6. Explain the process involved in production of tablets. (5+5)
7. What is evaporation, Mention the factors affecting evaporation. (2+8)
8. Explain tablet coating and the types (10)
9. Explain manufacturing defects in tablets and evaluation of tablets. (5+5)
10. Explain the application of sterilization process particular with reference to surgical dressings and IV fluids (5+5)



QP Code: **2019/1/I/1.3**

Reg. No.:

I Year D. Pharm (2019 Batch) III Sessional Theory Examinations, FEB-2021

PHARMACEUTICAL CHEMISTRY - I

Time: 3 hrs

Max. Marks: 80

- Answer any 8 questions
- All questions carry equal marks

- a) Titanium dioxide used in sun-tan preparations. Explain
 - b) Radio opaque contrast media. (5+5=10)
- (a) Draw a neat labeled diagram of Gutzeit apparatus and explain the principle with reactions.
 - (b) What is the chemical formula of Boric acid? Mention its physical properties, uses, labeling requirements and storage. (5+5=10)
- a) Give one example each for (i) Radio opaque contrast media (ii) Antioxidant (iii) Electrolyte Replenisher (iv) Buffer solution (v) Radioisotope.
 - b) What is the importance of quality control? What are the different methods used for quality control? (5+5=10)
- a) Explain about Radioactivity? What are the precautions to be taken while handling radioisotope preparations? (5+5=10)
- a) Give the uses of following compounds (i) Sodium bisulphite (ii) Ammonium hydroxide (iii) Sodium citrate (iv) Barium sulphate (v) Ferrous sulphate.
 - b) Sources of impurities in pharmaceuticals. (5+5=10)
6. How is Radioactivity measured? Explain the working of Geiger Muller Counter. (5+5=10)
- a) How will you carry out the limit test for Chlorides? (5+5=10)
 - b) How will you carry out the limit test for Sulphates? (5+5=10)
- a) Write on official compounds of Calcium. Mention their uses and formula.
 - b) Explain briefly the major buffer systems in the body which maintain physiological acid-base balance. (5+5=10)
9. Write the reasons for a) using thioglycolic acid in limit test for Iron.

 - b) white precipitate in limit test for Chlorides. (5+5=10)
- a) ORS.
 - b) Oral Electrolyte powders. (5+5=10)

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QP Code: **2019/1/III/1.3**

Reg. No.:

I Year D. Pharm (2019 Batch) II Sessional Theory Examinations, Feb-2021

PHARMACOGNOSY

Time: 3 hrs

Max. Marks: 80

- Answer any 8 questions
- All questions carry equal marks

1. Write the Biological source, morphology, microscopy, chemical constituents and uses of Ipecac. (10)
2. Write a note on Antidiabetic drugs with examples. (10)
3. A) Write a note on oxytocics. With examples
B) Give 2 example for each category
i) diuretics ii) anti septics iii) enzymes (4+6=10)
4. A) Preparation of adsorbant cotton. (5+5=10)
B) Isolation of Papain.
5. Write the chemical test for
a) Myrrh b) Benzoin c) Starch d) Tragacanth (2.5X4=10)
6. A) Write a note on types of starch. (6+4=10)
B) Sandal wood oil.
7. Write the biological source of :
i) Honey ii) Diastase iii) Amla iv) Garlic v) Shatavari (2X5=10)
8. Therapeutic uses of : i) Kaolin ii) Tobacco iii) Dioscorea iv) Lemon grass oil
v) Pyrethrum (2X5=10)
9. A) Licorice
B) Dioscorea (5+5=10)
10. A) Preparation & chemical test of gelatin.
B) Antimalarial drugs . (5+5=10)

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KMP COLLEGE OF PHARMACY

Asamanoor P.O., Poomala, Perumbavoor, Ernakulam, Kerala – 683 549

QP Code: **2019/1/III/1.4**

Reg. No.:

I Year D. Pharm (2019 Batch) III Sessional Theory Examinations, Feb-2021

BIOCHEMISTRY & CLINICAL PATHOLOGY

Time: 3 hrs

Max. Marks: 80

Instructions :

1. Attempt any Eight questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q₁ a) Explain the followings (Any One) 5+5=10
1) Michaelis—Menten Constant 2) Xerophthalmia
b) What is cellulose and give its importance?
- Q₂ Short note on, (Any one) 5+5=10
1) Fats and Oils 2) Active site
- Q₃ a) Define enzyme and give its classification. 5+5=10
b) List the identification tests for carbohydrates. Explain any five.
- Q₄ a) List the factors affecting enzyme action and explain any two. 5+5=10
b) Note on rancidity of oils.
- Q₅ a) Give classification of carbohydrates. 5+5=10
b) Define vitamins and give classification with examples.
- Q₆ a) Note on vitamin K. 5+5=10
b) Explain hydrolysis in fat and oils.
- Q₇ a) Write any two qualitative test for lipids. 5+5=10
b) Give chemistry of vitamin A.
- Q₈ a) Note on lymphocytes. 5+5=10
b) Explain the abnormal constituents of urine and give their significance in diseases.
- Q₉ a) Note on reducing sugars. 5+5=10
b) What is passive immunity and explain different types of passive immunity.
- Q₁₀ a) Explain the functions and composition of blood. 5+5=10
b) Note on hydrogenation in oils.

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**I YEAR D.Pharm(2019 Batch)III SESSIONAL
EXAMINATIONS, Feb-2021
QP CODE:2019/1/1/1.5 HAP**

Time: 3 Hr.

Max. Marks: 80

- Answer any 8 questions
- Draw diagrams wherever necessary

- I. (a) Structure and functions of human brain?
(b) Differentiate between sympathetic system and parasympathetic system?(5+5=10)
- II. (a) Draw a neat labeled diagram of heart and mention the valves in heart?
(b) Note on cardiovascular disorder?(5+5=10)
- III. (a) Mention the function of liver?
(b) Define function and composition of saliva?(5+5=10)
- IV. (a) Draw and label the cross section of eye ball. Name the two refractive errors of eye?
(b) Discuss the physiology of vision? (5+5=10)
- V. (a) Explain the composition of blood?
(b) What is B.P. what are the factors affecting B.P?(5+5=10)
- VI. (a) Explain the composition and functions of CSF?
(b) What is reflex action? Explain the components of simple reflex arc? (5+5=10)
- VII. (a) What is anemia? Classify anemia mentioning the cause for each type?
(b) Explain coagulation of blood?(5+5=10)
- VIII. (a) Draw and label a diagram of TS of spinal cord & mention its function?
(b) Discuss the structure and functions of meninges?(5+5=10)
- IX. (a) Draw and label the parts of ear and explain the physiology of hearing
(b) Write short notes on disease and disorders associated with eye?(5+5=10)
- X. (a) Write the composition and function of bile?
(b) Explain the digestion of carbohydrates, protein and fats? (5+5=10)
- XI. (a) Draw and label the parts of digestive system. Write a note on digestive enzymes?
(b) Define BMR & Disorder of digestive system? (5+5=10)

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QP Code:

2019/1/III/1.6

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**I Year D. Pharm (2019 Batch) III Sessional Theory
Examinations, Feb-2021**

Health Education and Community Pharmacy

Time: 3 hrs.

Max. Marks: 80

- Answer any 8 set of questions
- Draw diagrams wherever necessary

Q1. (a) Write a note on indicators of health

(b) Write first aid treatment for (i) Burns (ii) Snake bite (5+5=10)

Q2. (a) What is air pollution. Mention its causes and prevention

(b) Explain in detail the small scale purification of water (5+5=10)

Q3. (a) Explain the staining techniques of organisms

(b) (i) National Immunization Schedule

(ii) objectives of family planning (5+5=10)

Q4. (a) Explain the type of disinfection procedures for faeces, urine, sputum

(b) Define: (i) Health (ii) Disease (iii) Epidemiology

(iv) First aid (v) Disinfection (5+5=10)

Q5. (a) Define contraceptive methods. Explain in detail mechanical and Hormonal
Methods of contraception

(b) How to remove the temporary and permanent hardness of water (5+5=10)

Q6. (a) Classify vitamins

(b) Write sources, deficiency symptoms of :

(i) vitamin B2 (ii) vitamin A (iii) vitamin C (iv) vitamin D (5x 2=10)

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Q7. Causative agents, mode of transmission and prevention of :

(a) Diphtheria (b) Malaria (c) Tetanus

(d) Cholera (e) AIDS

(5x2=10)

Q8. (a) First aid for : (i) Poisoning (ii) Shock

(b) Classify fractures. Write first aid treatment for fractures. (5+5=10)

Q9. (a) Write a note on CPR

(b) Define demography. Discuss demographic cycle in detail. (5+5=10)

Q10 (a) Describe in detail determinants of health

(b) Write the principles of disease control and prevention (5+5=10)
