



QP Code: **2019/1/1/1.1**

Reg. No.:

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**I Year D. Pharm (2019 Batch) I Sessional Theory  
Examinations, Nov-2020  
Pharmaceutics -I**

**Time: 3 hrs**

**Max. Marks: 80**

- Answer any 5 questions
  - Draw diagrams wherever necessary
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1. Classify dosage forms and write in detail about each dosage form with four examples each?(4+12)
2. Which are the materials used for making containers. Write about salient features of glass containers and the materials used for closures.(2+8+6)
3. Write about Aerosols, it's formulation, containers and packaging (4x4)
4. .Methods of size reduction, write about hammer mill and ball mill. (2+7+7)
5. Write down the working and construction of the following equipment(1) Filter press 2)Evaporating pan 3) Silverson mixer 4) cyclone separator (4x4)
6. Write about percolation process and it's modification and briefly explain some of the ayurvedic dosage forms?(10+6)
7. Define the following terms
  - 1)Evaporation 2) Sublimation 3) Extraction 4) Filtration 5)Homogenisation
  - 6)Size reduction 7)Attrition 8) light resistant containers 9) Aerosols 10) Pharmacopoeia 11) Percolation 12)Pessaries 13) Emulsions 14)Insufflations
  - 15) Dessication 16) Maceration (1x16)



## I YEAR D. FIRST SESSIONAL EXAMINATIONS, December-2020 2019/1/1/1.2 PC I

Time: 3 Hr.

Max. Marks: 80

- Answer any 8 questions
- All questions carry equal marks

- a) What are antacids? Give four examples. Give two properties essential for an antacid.
  - b) What is the chemical formula of Boric acid? Mention its physical properties, uses, labeling requirements and storage. (5+5=10)
- a) Write the chemical formula, properties, storage and uses of potassium permanganate.
  - b) Describe the action of (i) Povidone Iodine (ii) Saline Cathartics. (5+5=10)
- a) Write notes on (a) Sulphur and its compounds
  - b) Respiratory stimulants (5+5=10)
- a) Give one example each for (i) Expectorants (ii) Respiratory stimulants (iii) Astringents (iv) Emetics (v) Antidotes
  - b) What are anti-caries agents? Give an account of fluorides employed as anti-caries agents. (5+5=10)
- a) Explain the principle involved in the assay of Hydrogen peroxide.
  - b) Name the official compounds of Iron. Give the formula, properties and storage conditions of any two. (5+5=10)
- a) Write briefly on Mercury and its compounds.
  - b) Give the uses of following compounds (i) Ammonium chloride (ii) Stannous fluoride (iii) Titanium dioxide (iv) Kaolin (v) Chlorinated lime. (5+5=10)
- a) Protectives with examples
  - b) Antidotes
- a) Give reasons (i) Titanium dioxide used in sun-tan preparations. (ii) Light kaolin is used as antidiarrhoeal. (5+5=10)
  - b) Write the storage requirements of (i) Sodium nitrite (ii) Carbon dioxide. (5+5=10)
- a) Write briefly on a) Combination antacid preparations.
  - b) Dentrifices.
- a) Note on expectorants with example.
  - b) explain physical properties storage and uses of oxygen. (5+5=10)





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

**Reg. No.:**

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**I Year D. Pharm (2019 Batch) I Sessional Theory  
Examinations, Dec-2020  
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.

- Q<sub>1</sub>** a) Explain the followings (Any One)  
5+5=10                                    1) Epimers and Anomers    2) Diabetes mellitus  
b) What is cellulose and give its importance?
- Q<sub>2</sub>** Give chemistry of, (Any Two)  
5+5=10  
1) Glucose    2)    Fats and Oils                                    3) Fructosazone
- Q<sub>3</sub>** a) Explain diseases related to lipid metabolism  
5+5=10  
b) List the identification tests for carbohydrates. Explain any five
- Q<sub>4</sub>** a) Define lipids and give classification of lipids with suitable example.  
5+5=10  
b) Note on rancidity of oils
- Q<sub>5</sub>** a) Explain oxidation in glucose.  
5+5=10  
b) Give classification of carbohydrates.
- Q<sub>6</sub>** a) Explain hydrolysis in fat and oils  
5+5=10  
b) Note on compound lipids.
- Q<sub>7</sub>** a) Write any two qualitative test for lipids.  
5+5=10  
b) Enumerate the important roles of lipid.
- Q<sub>8</sub>** a) Differentiate between starch and Glycogen  
5+5=10  
b) Note on reducing sugars.
- Q<sub>9</sub>** a) Biological role of carbohydrates.  
5+5=10  
b) Note on essential fatty acids.



**Q<sub>10</sub>** a) Osazone formation in glucose

**5+5=10**

**b) Note on hydrogenation in oils**



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**I YEAR D. FIRST SESSIONAL EXAMINATIONS, December-2020**  
**2019/1/1/1.5 HAP**

Time: 3 Hr.

Max. Marks: 80

- Answer any 8 questions
- Draw diagrams wherever necessary

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- I. (a) Muscle tissue.  
(b) Explain the various types of movements at the joint. (5+5=10)
- II. (a) Discuss the process of blood clot formation.  
(b) Explain the types of bones. (5+5=10)
- III. (a) Explain the various types of joints.  
(b) Muscular tissue and its function. (5+5=10)
- IV. (a) Blood groups and their importance.  
(b) Classify the tissue. Mention the types of connective tissue, their location and functions (5+5=10)
- V. (a) Difference between arteries and veins  
(b) Structure and functions of connective tissue (5+5=10)
- VI. (a) Explain physiology of respiration.  
(b) Explain the anatomy and functions of kidney with a neat labeled diagram (5+5=10)
- VII. (a) Explain the anatomy and functions of nephron with a neat labeled diagram  
(b) Physiology of urine formation (5+5=10)
- VIII. (a) Describe the structure and functions of lungs  
(b) Define and classify epithelial tissue (5+5=10)
- IX. (a) Structure and functions of various parts of the heart  
(b) Cardiovascular disorders. (5+5=10)
- X. (a) Joint disorders.  
(b) Explain physiology of respiration (5+5=10)



QP Code: **2019/1/1/1.6**

Reg. No.:

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**I Year D. Pharm (2019 Batch) I Sessional Theory Examinations, Dec-2020**

**Health Education and Community Pharmacy**

Time: 3 hrs

Max. Marks: 80

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

- Q1. (a) Define the following:  
(i) Health (ii) Fertility (iii) First-aid  
(iv) Entomology (v) Disease  
(b) Describe in detail determinants of health. (5 + 5 = 10)
- Q2. (a) Write the deficiency disease of the following:  
(i) Vit-A (ii) Vit-D (iii) Iron  
(iv) Calcium (v) Vit C.  
(b) Write the principles of disease control and prevention (5 + 5 = 10)
- Q3. (a) Write a note on indicators of health  
(b) Define food. What are the functions of food & classify them (5 + 5 = 10)
- Q4. (a) Write first aid treatment for (i) Burns (ii) Snake bite  
(b) Write a note on CPR (5 + 5 = 10)
- Q5. (a) Define demography. Discuss demographic cycle in detail.  
(b) Classify fractures. Write first aid treatment for fractures. (5 + 5 = 10)
- Q6. (a) Define Family planning. What are the objectives of Family planning  
(b) Classify contraceptive methods with examples (5 + 5 = 10)
- Q7. (a) What is air pollution. Mention its causes and prevention  
(b) Explain sources of water in detail (5 + 5 = 10)
- Q8. (a) Explain in detail the small scale purification of water  
(b) Classify vitamins and write sources, deficiency symptoms of vitamin B2 (5 + 5 = 10)
- Q9. (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)
- Q10. (a) First aid for poisoning  
(b) Write a note on the methods of refuse disposal (5 + 5 = 10)