



*JIJAMATA FOUNDATION'S*  
**SHREE P. E. (TATYA) PATIL INSTITUTE OF PHARMACY, JALGAON**  
**Second Sessional Theory Examination 2021-2022**

**Roll Number:**

**Year: DCP-I**  
**Subject: Pharmaceutics-I**

**Marks: 40**

**Date: 07/03/2022**  
**Time: 03:00 PM to 04:30PM**

**Q.1:- Attempt any THREE of the following.**

**(15 marks)**

- (1) Describe principle, construction, working and applications of Ball mill?
- (2) Explain emulsion as a dosage form and classify them.
- (3) Define ointment. Write any two advantages and disadvantage and formulation of ointment.
- (4) Elaborate quality control test for tablet coating.

**Q.2: Attempt any Five of the following**

**(15 marks)**

- (1) Draw the well labeled diagram of Soxhlet apparatus.
- (2) Write Darcy's equation?
- (3) Explain quality control test for creams.
- (4) Define syrup. Write any two advantages and disadvantage of syrup?
- (5) Draw a well labeled diagram of Homogenizer.
- (6) Define size reduction with objective.

**Q.3 All question are compulsory**

**(10 marks)**

- (1) Simple syrup contains \_\_\_\_\_% of sucrose.
- (2) Elixirs are \_\_\_\_\_ preparations intended for oral use.
- (3) Creams are used for application on \_\_\_\_\_
- (4) Freeze drying is also called as \_\_\_\_\_
- (5) \_\_\_\_\_ are oral liquids containing one or more active ingredients suspended in vehicle.
- (6) Drying is a mass transfer process in which water is removed by \_\_\_\_\_.
- (7) The dissolving time for Fast Dissolving Tablets is less than \_\_\_\_\_ sec.
- (8) Capsule is a \_\_\_\_\_ dosage form in which the drug is enclosed in a hard or soft shell of gelatin
- (9) Sieving is the separation of fine material from \_\_\_\_\_ material.
- (10) \_\_\_\_\_ test is used to measure the tablet hardness.



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**Second Sessional Theory Examination 2021-2022**

**Roll No:**

**Year: DCP - I**

**Marks: 40**

**Date: 08/03/2022**

**Subject: Pharmaceutical Chemistry**

**Time 03:00 PM to 04:30 PM**

**Q.1:- Attempt any THREE of the following.**

**(15 Marks)**

- 1) Explain in detail limit test for arsenic with diagram
- 2) Add a note on precipitation titration.
- 3) Classify non barbiturates and draw the structure of diazepam and alprazolam
- 4) Classify general anesthetics and explain barbiturates with example

**Q.2:- Attempt any FIVE of the following.**

**(12 Marks)**

- 1) Define sedative and hypnotics and enlist the stages of anesthesia
- 2) Define impurity and give sources of impurity
- 3) Define hematinics and anemia and give its official compounds
- 4) Add a note on complexometric titration
- 5) Explain types of errors
- 6) Define a. Abrasives b. dentifrices c. Antimicrobials

**Q.3:- All questions are compulsory**

**(10 Marks)**

- 1) In the limit test for chlorides \_\_\_\_\_ is used as an indicator
- 2) When barium chloride reacts with sodium sulphate it forms \_\_\_\_\_
- 3) Limit test are performed in \_\_\_\_\_
- 4) Molecular weight of NaOH is \_\_\_\_\_
- 5) Indicator is added to detect \_\_\_\_\_
- 6) EDTA is \_\_\_\_\_ agent
- 7) Volhard method is a type of \_\_\_\_\_ titration
- 8) Hypnotics are the agents which depresses \_\_\_\_\_
- 9) The agents promote defecation are called as \_\_\_\_\_
- 10) Substance required in the formation of blood is called as \_\_\_\_\_



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**Second Sessonal Theory Examination 2021-2022**

**Year: DCP-I**

**Marks: 40**

**Date: 11/03/2022**

**Subject: Social pharmacy**

**Time: 03:00 PM to 04:30PM**

**Q.1:- Attempt any THREE of the following.**

**(15 marks)**

- (1) Define Adulteration and substitution. Describe any 2 method of adulteration with suitable example.
- (2) Explain chemical test of Benzoin and black catechu
- (3) Define antitumor drug Give biological source chemical constituent of Vinca
- (4) Define diuretics. Write B.S, C.C and uses of Gokharu

**Q.2: Attempt any Five of the following**

**(15 marks)**

- (1) Describe any two respiratory infections?
- (2) Write a note on COVID -19.
- (3) Define, 1. Neutraceuticals 2.epidemiology 3.psychotropic substance
- (4) Write a note on water pollution?
- (5) Write the adulteration in –cumin powder, turmeric powder, black pepper
- (6) What are sources of vitamin A?

**Q.3 All question are compulsory**

**(10 marks)**

- (1) \_\_\_\_\_ is a causative agent in typhoid fever.
- (2) \_\_\_\_\_ componets of food are called as body builder
- (3) AED stands for\_\_\_\_\_
- (4) Night blindness can be caused by deficiency of \_\_\_\_\_
- (5) Anaemia caused by deficiency of\_\_\_\_\_
- (6) When patient involves placing away of patients at specific distance to avoid the spread of infection is known as \_\_\_\_\_
- (7) \_\_\_\_\_ vaccine is used to prevent tuberculosis.
- (8) \_\_\_\_\_ is the causative agent for poliomyelitis.
- (9)Ascorbic acid is also called \_\_\_\_\_
- (10)\_\_\_\_\_ is required for synthesis of thyroid harmone.



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Second Sessional Theory Examination 2021-2022

Year: DCP-I

Marks: 40

Date: 10/03/2022

Subject: Human Anatomy Physiology

Time: 03:00 PM to 04:30PM

**Q.1:- Attempt any THREE of the following.**

**(15 marks)**

- (1) Draw a diagram of internal structure of heart and explain flow of blood in heart.
- (2) Draw a diagram of respiratory system and explain mechanism of respiration.
- (3) Explain the process of digestion in detail.
- (4) Define hypertension. Give its types. What are complications of Hypertension?

**Q.2: Attempt any Five of the following**

**(15 marks)**

- (1) Explain ECG.
- (2) Elaborate in brief functions of Liver.
- (3) Describe physiology of skeletal muscle contraction.
- (4) Write a short note on Spleen.
- (5) Explain conducting system of heart.
- (6) Differentiate between artery and vein.

**Q.3 All question are compulsory**

**(10 marks)**

- (1) Bile juice contains \_\_\_\_\_ which helps in emulsification of fats.
- (2) The heart is located in \_\_\_\_\_ cavity.
- (3) The disorder of heart rate and rhythm is called \_\_\_\_\_
- (4) The normal blood pressure in human is \_\_\_\_\_
- (5) The main organ for respiration is \_\_\_\_\_
- (6) The time period for every cardiac cycle is \_\_\_\_\_ sec.
- (7) The muscle between thoracic and abdominal cavity and helping in respiration is \_\_\_\_\_
- (8) \_\_\_\_\_ is the enzyme present in saliva.
- (9) The organ which store food temporarily is \_\_\_\_\_
- (10) Amount of blood ejected by heart in each minute is called \_\_\_\_\_



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**Year: DCP-I**

**Marks: 40**

**Date: 11/03/2022**

**Subject: Social pharmacy**

**Time: 03:00 PM to 04:30PM**

**Q.1:- Attempt any THREE of the following.**

**(15 marks)**

- (1) Describe adverse effect of alcohol on academic life
- (2) Describe types of immunity
- (3) Explain nutrition deficiency disease?
- (4) Write a note on tuberculosis?

**Q.2: Attempt any Five of the following**

**(15 marks)**

- (1) Give causative agent, Symptoms and treatment of Typhoid.
- (2) Write a note on COVID -19.
- (3) Define, 1. Neutraceuticals 2.Epidemiology 3. Psychotropic substance
- (4) Write a note on water pollution?
- (5) Name the adulterants in –cumin powder, turmeric powder, black pepper
- (6) Describe sources and role of vitamin A ?

**Q.3 All question are compulsory**

**(10 marks)**

- (1) \_\_\_\_\_ is a causative agent of Cholera.
- (2) \_\_\_\_\_ components of food are called as body builder
- (3) AED stands for \_\_\_\_\_
- (4) Scurvy can be caused due to deficiency of Vitamin \_\_\_\_\_
- (5) Anaemia caused by deficiency of \_\_\_\_\_
- (6) Noise is measured in unit of \_\_\_\_\_
- (7) Vitamin B1 is also known as \_\_\_\_\_
- (8) \_\_\_\_\_ is the causative agent for poliomyelitis.
- (9) \_\_\_\_\_ is the restriction on the movement of people ,animals to prevent the spread of disease
- (10) \_\_\_\_\_ is required for synthesis of thyroid hormone.