

**D PHARMACY INTERNAL EXAMINATION - THEORY**

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Second
Subject	: Pharmaceutics	Subject Code	: 20111
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 03/04/2023

I. Answer any THREE from the following questions**5 x 2 = 10 Marks**

1. What are the mechanism of mixing and explain objectives?
2. Define size separation .classify powders according to IP?
3. Define tablet .Give advantages and disadvantages of tablet?
4. Write a note on Fluidized bed dryer?

II. Answer any FIVE from the following questions**5 x 3 = 15 Marks**

1. Write a note on “soxhlation” extraction process?
2. Write a note on “Triple roller mill”?
3. Explain various filter medias used in pharmacy?
4. Define drying process .Give importance of drying?
5. Write steps involved in hand operating hard gelatin capsules filling machine?
6. Explain wet granulation method?

III. Answer ALL from the following questions**1 x 10 = 10 Marks**

1. Continuous hot percolation is _____.
(a) Soxhlation (b) Maceration (c) Infusion (d) Decoction
2. The mechanism involved in the ball mill is _____.
(a) Attrition (b) Impact (c) Compression (d) Attrition and impact
3. The freeze dryer works on the principle of _____.
(a) Freezing and sublimation (b) Freezing (c) Sublimation (d) Melting
4. The mechanism of mixing is _____.
(a) Convection (b) Diffusion (c) compression (d) Both (a) and (b)
5. Lactose is used as _____.
(a) Lubricant (b) Plasticizer (c) preservatives (d) Binder
6. Separation of tablet in two or more distinct layers _____.
(a) Lamination (b) Picking (c) Broken (d) Capping
7. Which method is used to measure the tablet strength _____.
(a) Thickness (b) Friability (c) Wight variation (d) Dissolution.
8. Gelatin is a hydrolyzed product of _____.
(a) Pectin (b) Tannin (c) Alkaloid (d) Collagen
9. Which capsules size has the smallest capacity?
(a) 0 (b) 1 (c) 3 (d) 5
10. The principle behind the turbine mixers is _____.
(a) Shearing action (b) shear (c) blending (d) none of the above.



JIJAMATA FOUNDATION

SHREE P. E. (TATYA) PATIL INSTITUTE OF PHARMACY, JALGAON

(D. Pharmacy & B. Pharmacy) (Institute Code: MSBTE: 0642, DTE: 5283)

Gat No. 95/1, ChincholiShivar, Near Airport, Aurangabad Road, Jalgaon (M.S.) 425 003

D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Second
Subject	: Pharmaceutical Chemistry	Subject Code	: 20112
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 04/04/2023

I. Answer any THREE from the following questions 5 x 2 = 10 Marks

1. Define Anesthesia. Classify General Anesthetics. Write in detail about Thiopental?
2. Define Sleep and Phases of sleep. Write in brief about Alprazolam?
3. Give the Molecular Formula, Mol. Structure, Chemical name, Brand name and uses of Dopamine?
4. What is Epilepsy and what are different types of Epilepsy?

II. Answer any FIVE from the following questions 5 x 3 = 15 Marks

1. What are Anti-arrhythmic drugs? Write their classification with example?
2. Write any 02 formulations and 02 brand names of Nifedipine?
3. Describe in brief about Acetazolamide?
4. Write 02 formulations and 02 brand names of Adrenaline?
5. Give physical properties, stability, storage and uses of Xylocaine?
6. Name the pharmaceutical category of A) Lidocaine HCL B) Tacrine C) Phentolamine

III. Answer ALL from the following questions 1 x 10 = 10 Marks

1. _____ are the drugs which depress CNS and produce sleep.
a) Analgesics b) Sedatives c) Antibiotics d) Antineoplastics
2. Diazepam is derivative of _____.
a) Phenothiazines b) Aldehydes c) Benzodiazepines d) Beta lactum
3. Psychoses means _____.
a) Disturbance in mental function b) Convulsions c) Sedation d) None
4. Chlorpromazine is used to treat _____ disorder.
a) Arrhythmia b) Hypertension c) Schizophrenia d) Angina
5. Derivative of O-Hydroxy phenol is called as _____.
a) Aliphatic amines b) Catecholamines c) Imidazolines d) Tetracyclines
6. Constriction of pupil of eye is _____ action of acetylcholine.
a) Nicotinic b) Muscarinic c) Adrenergic d) Analeptic
7. Cardiac arrhythmia means _____.
a) Disturbance in mood b) Disturbance in heart beat c) Disturbance in GIT d) Disturbance in thought
8. Quinidine sulphate is obtained from _____ species.
a) Willow tree b) Cinchona c) Opium d) Vinca
9. _____ is range of normal blood pressure.
a) 150/100 b) 130/90 c) 120/80 d) 110/70
10. The drugs which cause dilation of blood vessels are called _____.
a) Neurotransmitter b) Vasodilator c) Vasoconstrictor d) Bronchodilators

**D PHARMACY INTERNAL EXAMINATION - THEORY**

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Second
Subject	: Pharmacognosy	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 05/04/2023

I. Answer any THREE from the following questions**5 x 2 = 10 Marks**

1. Explain Pharmacognosy of fennel.
2. Define surgical dressing. Write the ideal requirements of surgical dressing.
3. Give the chemical constituents and uses of following drug. 1.Cinnamon 2.Tea leaves
4. Explain the following chemical test.1.Keller killani test 2.Bortrager test

II. Answer any FIVE from the following questions**5 x 3 = 15 Marks**

1. What are sutures? What are the properties of sutures?
2. Give the synonyms of following drugs.1.Gokharu 2.Rauwolfia 3. Belladonna.
3. State the therapeutic application of Hyoscyamus & Tolu balsam.
4. Write the biological source of following drugs 1.Ipecacunha 2.Cinchona.
5. Which part of the plant is used as drug in case of 1.Opium 2. Cotton 3.Nutmeg.
6. Give 01 example of drug from following family
1.Solanaceae 2.Rubiaceae 3.Leguminoceae.

III. Answer ALL from the following questions**1 x 10 = 10 Marks**

1. Ascorbic acid is also known as _____.
(a) Vitamin A (b) Vitamin B (c) Vitamin C (d) Vitamin D
2. Jesuit's bark is synonym of _____ drug.
(a) Cinnamon bark (b) Arjuna bark (c) Cinchona bark (d) Cascara bark
3. Silk is officially obtained from _____.
(a) Cellulose (b) Hemicellulose (c) Fibres (d) Protein
4. Vincristin and vinblastin are the chief constituents of _____.
(a) Vasaka (b) Clove (c) Vinca (d) Dhatura
5. Senna leaves are used as _____.
(a) Expectorants (b) Carminatives (c) Laxative (d) Stimulants
6. Shark liver oil is _____ oil.
(a) Volatile oil (b) Essential oil (c) Fixed oil (d) All of these
7. _____ drug is called as "Banda soap".
(a) Ephedra (b) Punarnava (c) Nutmeg (d) Cardamom
8. _____ are the drugs which increase the flow of urine.
(a) Laxative (b) Cardiotonic (c) Diuretics (d) Stomachic
9. _____ are the derivatives of polyhydroxy benzoic acid & are capable of precipitating protein.
(a) Alkaloids (b) Glycosides (c) Tannin (d) Resins
10. _____ are sterile threads or fibers used for tightening muscles & blood vessels.
(a) Sutures (b) Surgical catguts (c) Ligatures (d) Bandages



JJAMATA FOUNDATION

SHREE P. E. (TATYA) PATIL INSTITUTE OF PHARMACY, JALGAON

(D. Pharmacy & B. Pharmacy) (Institute Code: MSBTE: 0642, DTE: 5283)

Gat No. 95/1, ChincholiShivar, Near Airport, Aurangabad Road, Jalgaon (M.S.) 425 003

D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Second
Subject	: Human Anatomy and Physiology	Subject Code	: 20114
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 06/04/2023

I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Draw a diagram of internal structure of Heart and explain flow of blood within the heart.
2. Write a note on White Blood Cells.
3. What is anaemia? Explain its types.
4. Draw a diagram of Digestive system and mention 01 important function of each part.

II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Describe the mechanism of breathing.
2. With the help of diagram describe the structure of Lymph node.
3. Write a note on ABO system of blood grouping.
4. Describe the conducting system of heart.
5. Differentiate between Arteries and Veins.
6. Give the anatomy and physiology of Stomach.

III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. Largest gland of human body is _____.
(a) Stomach (b) Adrenal gland (c) Liver (d) Pituitary gland
2. Primary organ of respiratory system is _____.
(a) Heart (b) Lungs (c) Liver (d) Diaphragm
3. RBC's are _____ in shape.
(a) Biconcave (b) Sickle (c) Convex (d) Cuboidal
4. Saliva contains enzyme _____.
(a) Maltase (b) Ptyalin (c) Zymase (d) Trypsin
5. In ECG QRS Complex denotes _____.
(a) Atrial systole (b) Atrial Diastole (c) Atrioventricular Diastole (d) Ventricular systole
6. The wind pipe is also called as _____.
(a) Esophagus (b) Bronchus (c) Trachea (d) Pharynx
7. In GIT maximum surface area is found in _____.
(a) Small intestine (b) Rectum (c) Large intestine (d) Stomach
8. Consistent increase in blood pressure is called _____.
(a) Tachycardia (b) Arrhythmia (c) Angina pectoris (d) Hypertension
9. _____ disease is produced due to deficiency of clotting factor IX
(a) Anaemia (b) Hemophilia (c) Blood cancer (d) Thalassemia
10. The old or abnormal RBC's are destroyed in _____.
(a) Brain (b) Stomach (c) Spleen (d) Pancreas



JIJAMATA FOUNDATION

SHREE P. E. (TATYA) PATIL INSTITUTE OF PHARMACY, JALGAON

(D. Pharmacy & B. Pharmacy) (Institute Code: MSBTE: 0642, DTE: 5283)

Gat No. 95/1, ChincholiShivar, Near Airport, Aurangabad Road, Jalgaon (M.S.) 425 003

D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Second
Subject	: Social Pharmacy	Subject Code	: 20115
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 08/04/2023

I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Write a note on nutrition deficiency disease?
2. Describe various macronutrients?
3. Define immunity and classify immunity?
4. Write a note on water pollution.

II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Define 1) Nutraceuticals 2) Vaccine 3) Narcotics
2. Give the adulterants used in 1) black pepper 2) cumin powder 3) turmeric powder
3. Give the classification of fat soluble vitamins.
4. Describe adverse effect of alcohol on academic life.
5. Write a note on balanced diet.
6. Write a note on tobacco and tobacco related products.

III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. Vaccine used to prevent tuberculosis is _____.
(a) BCG (b) MMR (c) HCG (d) DPT
2. Cholera is caused by _____.
(a) Salmonella typhi (b) vibrio cholera (c) plasmodium parasites (d) E. coli
3. Which is the leading cause of blindness in children _____.
(a) Glaucoma (b) Vitamin A deficiency (c) cataract (d) color blindness
4. Vitamin is synthesized by skin cell _____.
(a) vit k (b) vit D (c) vit k (d) vit.E
5. Arsenic toxicity is termed as.
(a) Melanosis (b) Leucomelanosis (c) Arsenicosis (d) none
6. Nutritionist is a synonym for _____.
(a) Dietician (b) Nutriologist (c) Dietologist (d) all of the above
7. _____ are called as body builder.
(a) Fats (b) carbohydrates (c) Proteins (d) Vitamins
8. Alcohol consumption causes _____.
(a) typhoid (b) Liver cirrhosis (c) tuberculosis (d) leprosy
9. Noise pollution measured in units of _____.
(a) Meter (b) Decibel (c) KG (d) None
10. _____ is not water borne disease
(a) Cholera (b) Arthritis (c) Typhoid (d) Malaria