



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	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Second
Subject	: Pharmaceutics	Subject Code	: 20111
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 15/01/2024

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

1. Explain the construction and working of the Triple roller mill.
2. Write the evaluation test for tablet.
3. Give the principle and working of a fluidized bed dryer.
4. Explain in short any 05 tablet manufacturing defects

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

1. What do you mean by an enteric coated tablet? Give reasons for enteric coating
2. Define tablet explain advantages and disadvantages of tablet
3. Define granulation and explain wet granulation.
4. Define capsules give advantages and disadvantages.
5. Describe the process of manufacturing of hard gelatin capsules.
6. What are differences between syrup and elixirs?

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

1. _____ tablets required for content uniformity test
(a) 30 (b) 10 (c) 40 (d) 20
2. Wight variation for tablet weight 80-250mg is _____
(a) 7.5% (b) 5% (c) 10% (d) 10%
3. Separation of tablet in two or more distinct layer is called _____
(a) Picking (b) capping (c) lamination (d) broken
4. Disintegration time of effervescent tablet is _____
(a) 10 minutes (b) 5 minutes (c) 15 minutes (d) 30 minutes
5. Gelatin is a hydrolyzed product of _____
(a) Pectin (b) Tannin (c) Alkaloid (d) collagen
6. _____ capsule size has the smallest capacity
(a) 0 (b) 1 (c) 3 (d) 5
7. Simple syrup contains _____ amount of sucrose.
(a) 50% w/v (b) 60% w/v (c) 66.7 % w/v (d) 65% w/v
8. Dry syrups are _____
(a) Suspension (b) Emulsion (c) solution (d) None of the above
9. Preservatives improve _____ .
(a) Shelf life of the product (b) Product stability
(c) Appearance of the product (d) All of the above
10. Chelating agent act by _____ mechanism.
(a) Complexation (b) Hydration (c) Oxidation (d) None of the above



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Second
Subject	: Pharmaceutical Chemistry	Subject Code	: 20112
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 16/01/2024

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

1. Define and classify cholinergic drug and give details of neostigmine.
2. Define and classify anticonvulsant drug and give 2 examples.
3. Define synthetic cholinergic blocking agent, classify it and give 3 examples.
4. What is the anti-depressant drug? Give their classification and details of Amitriptyline & Imipramine hydrochloride .

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

1. Define the following terms and give 01 example of each -. 1. anaesthetic 2. Anti-psychotics. 3. Anti-epileptic.
2. Describe Phenobarbitone in detail
3. Classify Sympathomimetic agents with 01 example of each.
4. Give the brand name of 1. Phentolamine 2. Phenylephrine 3. Terbutaline
5. Give the storage condition of given drug 1. Nitrazepam 2. Thiopental sodium 3. Gabapentin
6. Define & classify sympatholytic drug & give example.

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

1. Amitriptyline is used in treatment of _____
(a) Diabetic neuropathy (b) herpes neuralgia (c) peripheral neuropathy (d) all of the above
2. Tricycles' antidepressant (TCA) is _____
(a) Citalopram (b) imipramine (c) fluoxetine (d) .sertraline
3. Antipsychotics are _____
(a) mood stabilizers (b) .major tranquilizer (c) .anti-depressants (d) .minor tranquilizers.
4. _____ drug produces dissociative anesthesia.
(a) ketamine (b) .Pentothal (c) .halothane (d) diazepam.
5. Benzodiazepine is _____.
(a) .diazepam (b) .nitrazepam (c) .oxazepam (d) all of above
6. Brand name cyclorama contain the molecule
(a) .propranolol (b) .atenolol (c) ephedrine. (d) .dicyclomine HCL.
7. Prazosin is used exclusively in the treatment of _____
(a) Hypertension (b) .diarrhea (c) .brain tumor (d) .cancer.
8. Cholinergic agent are also known as
(a) parasympathomimetic agent (b) .parasympatholytic agent (c) both 1 & 2 (d) none of these.
9. _____ drug inhibit adrenergic response mediated through the receptor.
(a) B-adrenergic blockers. (b) .direct acting (c) adrenergic antagonist. (d) both 1 & 2.
10. _____ is intravenous anaesthetic used to induce anaesthesia.
(a) .diazepam (b) propofol (c) .halothane (d) .Ketamine



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Second
Subject	: Pharmacognosy	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 17/01/2024

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

1. Define surgical dressing and write the ideal requirement of surgical dressing.
2. Explain Pharmacognosy of fennel.
3. Give the chemical constituents and uses of following drug 1.Cinnamon 2.Turmeric
4. Define Antidiabetics. Give B.S. and C.C. of any Antidiabetic drug.

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

1. What are sutures? Give the properties of sutures
2. Give the synonym of following drug 1. Vinca 2. Rauwolfia 3. Opium
3. State the therapeutic application of following drug 1. Hyoscyamus 2. Tolubalsam
4. Write the biological source of following drug 1. Neem 2. Gokhru
5. Which part of the plant is used as drug in case of 1. Cinchona 2. Cotton 3. Ergot
6. Give two 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. Drug used as Antihypertensive is _____.
a) Ginseng b) Rauwolfia c) Cinchona d) Squill
2. Flower bud showing medicinal importance is _____.
a) Saffron b) Fig c) Clove d) Caraway
3. _____ is the drug which is not showing carminative property
a) Dill b) Senna c) Mentho d) Cardamom
4. Ligatures are _____ in length
a) Longer b) Shorter c) Uneven size d) Curly
5. Example of animal fibre is _____.
a) Glass b) Jute c) Silk d) Cotton
6. Homo is meaning _____.
a) Similar b) Pathos c) Suffering d) Different
7. Veda stands for _____.
a) Life b) Soul c) Mind d) Knowledge
8. Churn is _____ of drug
a) Granules b) Semisolid Preparation c) Fine powder d) Paste
9. Sarpghandha is the Synonym of _____ drug
a) Ephedra b) Cinnamon c) Rauwolfia d) Shatavari
10. Family of wool is _____.
a) Cannabinaceae b) Malvaceae c) Antheraea d) Bovidiae



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Acad. Year	: 2023-24	Batch Year	: 2023-25
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	: 18/01/2024

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

1. Draw diagram of Digestive system and give 01 important function of each part.
2. Describe various types of WBC's.
3. Write a note on Hypertension.
4. Draw diagram of internal structure of heart and explain the flow of blood within the heart.

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

1. Differentiate between arteries and veins.
2. Explain Lymph node with diagram.
3. Describe the composition of blood.
4. Draw a diagram of human respiratory system.
5. Write a note on ECG.
6. Describe conducting system of heart.

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

1. Universal donor blood group is _____
(a) B (b) A (c) AB (d) O
2. The natural anticoagulant is _____
(a) Heparin (b) Histamine (c) Oxytocin (d) Adrenaline
3. Approximate cardiac output is _____ liter per minute
(a) 6 (b) 5 (c) 4 (d) 7
4. Voice box is also called as _____
(a) Trachea (b) Pharynx (c) Larynx (d) Bronchus
5. _____ muscles helps in respiration
(a) Intercostal (b) Diaphragm (c) Both a and b (d) None of these
6. The largest lymph organ is _____
(a) Spleen (b) Lymph node (c) Lacteals (d) Tonsils
7. Heart consist of _____ chambers
(a) 3 (b) 4 (c) 5 (d) 6
8. The normal blood pressure is _____ mm of Hg.
(a) 100/80 (b) 90/60 (c) 120/80 (d) 140/100
9. The exchange of oxygen and carbon dioxide takes place at the level of _____
(a) Alveoli (b) Larynx (c) Bronchia (d) Diaphragm
10. The tooth is made up with _____
(a) Cementum (b) Gum (c) Pulp (d) Dentin



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Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Second
Subject	: Social Pharmacy	Subject Code	: 20115
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 19/01/2024

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

1. What is occupational illness? Discuss various types of occupational illness.
2. What are psychotropic drugs? Write their classification in detail.
3. Discuss in detail the role of carbohydrates.
4. Describe the diseases associated with protein energy malnutrition (PEM).

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

1. Write the classification of food with example.
2. Give sources and various functions of Vitamin A (Retinol).
3. Describe advantages and disadvantages of food fortification.
4. Write classification of nutraceuticals.
5. Discuss various health impacts of junk foods.
6. Write a short note on Gram staining method.

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

1. Nutritionist is a synonym for _____.
a) Dietician b) nutriologist c) Dietolost d) All of the above
2. Anabolic foods are also called as _____.
a) Energy supplying food b) body building food c) Protective food d) None of the above
3. Deficiency of iodine may lead to development of _____.
(a) Anaemia b) Night blindness c) Arthritis d) Goiter
4. Following one is not an example of water soluble vitamin.
a) Vitamin D (b) Biotin (c) Folic acid (d) Niacin
5. Limit of per day salt consumption as per WHO recommendation is _____.
a) Less than 5 gm (b) More than 5 gm (c) More than 8 gm (d) More than 10 gm
6. Marasmus is a type of _____.
a) Iron deficiency disorder (b) Protein energy malnutrition
(c) Iodine deficiency disorder (d) Vit A deficiency disorder
7. Full form of FSSAI is _____.
a) Food Safety & Standards Authority of India (b) Food Security & Standards Authority of India
(c) Functional Safety & Standards Authority of India (d) Food Safety & Standards Autonomy of India
8. Presence of pesticides in food grains is an example of _____.
a) Metallic adulteration (b) Packaging hazards (c) Incidental adulteration (d) Intentional adulteration
9. A virus can be composed of _____.
a) Nucleic acid (b) Capsid (c) Envelope (d) All of the above
10. Which of the following is multicellular?
a) Protozoa (b) Bacteria (c) Yeast (d) Mould