



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	: Third
Subject	: Pharmaceutics	Subject Code	: 20111
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 26/03/2024

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

1. Difference between active & passive immunity
2. What are NDDS? Give difference between sustained & controlled release dosage form.
3. Classify the ointment base with one example of each and give advantage and disadvantages of them.
4. Explain the QC test for injection.

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

1. Write the difference between creams & ointments.
2. What are cream give ideal properties and definition.
3. Give reason oily vehicles are not use in preparation of nasal drop.
4. Define ear drops. List for formulation ingredients of ear drop.
5. Explain heating method of preparation of effervescent granules.
6. List any 03 differences between QC & QA.

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

- 1) Elixirs contain _____ amount of alcohol.
(a) 10-50% (b) 5-15% (c) 4-40% (d) 100%
- 2) The size of dispersed particles in coarse dispersion ranges from _____
(a) 1 μ m to 100 μ m (b) 1nm to 100 nm (c) 1mm to 100 cm (d) less than 1 μ m
- 3) Dry syrup are _____
(a) Suspension (b) emulsion (c) solution (d) none of the above.
- 4) The primary emulsion formula for fixed oils is _____
(a) 4:2:1 (b) 3:2:1 (c) 2:2:1 (d) 1:2:1
- 5) Paste consists of _____% of solids.
(a) 0-10 (b) 20-50 (c) 100 (d) 0 .
- 6) Toothpastes are _____ type of pastes.
(a) Fatty (b) aqueous (c) non-aqueous (d) hydrocolloids
- 7) Agents which prevent products from drying are called _____
(a) Astringent (b) antiseptic (c) humectants (d) antimicrobial.
- 8) Bentonite is an example of _____
(a) Hydro gel (b) organogel (c) xerogel (d) non-aqueous.
- 9) Nasal drops are _____
(a) Hypertonic (b) hypotonic (c) isotonic (d) none of above.
- 10) _____ drops are used in the otic cavity.
(a) Eye (b) nose (c) ear (d) none.



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Third
Subject	: Pharmaceutical Chemistry	Subject Code	: 20112
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 27/03/2024

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

1. Define & classify anti-biotic & give structure, uses & dose of amoxicillin().
2. Write a note on NSAID & give details of Ibuprofen.
3. Give the brief description of anti-fungal drugs & give details of ketoconazole.
4. What are anti-arrhythmic drugs? Classify with suitable example. Explain phenytoin sodium.

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

1. Give the structure, brand name & pharmaceutical formulation of cyclophosphamide.
2. Describe in brief furosemide.
3. Write a note on Glimepiride.
4. Give the brand name, use and pharmaceutical formulation of fluconazole.
5. Give the brand name of given drug 1. Paracetamol 2. Azithromycin 3. Acyclovir
6. Give 01 use of given drug (a) Aspirin (b) Ofloxacin (c) Ramipril.

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

1. Most common drug for anti-fungal treatment is Griseofulvin. True or False
2. Doxorubicin brand name is _____
(a) adriamycin. (b) oncodox. (c) doxorubicin. (d) all of the above.
3. Give any 01 example of Aminoglycoside antibiotic
4. _____ of the following is the dose of captopril.
(a) 12.5 mg (b) 25 mg (c) 50 mg (d) all of above.
5. Mention any 01 Brand name of furosemide.
6. Insulin is secreted by Adrenal gland. True or False
7. Fentanyl is available in _____ dosage form.
(a) Tablet. (b) Injection. (c) Patch (d) all of the above.
8. _____ is a fungal infection of nails.
(a) Ringworm. (b) Candidiasis. (c) Onychomycosis. (d) Dandruff.
9. Name any 01 drug used in treatment of cancer.
10. Pure opioid antagonist is _____.
(a) Naloxone (b) naltrexone. (c) nalmeferone. (d) all of the above.



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Third
Subject	: Pharmacognosy	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 28/03/2024

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

1. Write a note on the role of medicinal and aromatic plants in national economy.
2. Give the source, chemical constituents, commercial preparation, therapeutic uses and cosmetics uses of sandalwood oil.
3. Write the chemical tests for the detection of Alkaloids and Glycosides.
4. What is Nutraceutical? Classify nutraceuticals with suitable examples.

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

1. Give the commercial preparation of Aloe vera oil.
2. Write a note on Probiotics.
3. Define herbal cosmetics. Give the uses of olive oil.
4. Give the scope and important of medicinal and aromatic plant.
5. What are Dietary Fibres? Give their application
6. Give the importance of phytochemical investigation.

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

1. Soya bean is _____ shaped.
2. Shilajit is used as _____
a) Powder b) Tonic c) Pills d) Emulsion
3. Spirulina is _____ algae
a) Brown b) Golden -brown c) Blue-green d) Yellow-green
4. Dosage form meant to be placed under the tongue is _____
5. Almond oil is Green in color. True or False.
6. What is the family of Aloe vera?
7. Balget test is a test for Proteins. True or False.
8. Biological name of olive fruits is _____
a) Santalum album (b) Rosmarinus officinalis (c) Olea europoea (d) Prunus amygdalus
9. Elcosapentaenoic acid is _____
a) Prebiotics (b) Carotenoids (c) Probiotics (d) Omega-3 fatty acid
10. Jatamansi a medicinal plants native to the _____ region.



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Third
Subject	: Human Anatomy and Physiology	Subject Code	: 20114
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 29/03/2024

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

1. Draw diagram of Human Eye and give 01 important function of each part.
2. Describe Anatomy and Physiology of Cerebrum.
3. Write a note on Hormones of Anterior Pituitary gland.
4. Explain the process of urine formation in Kidneys.

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

1. Name the hormones of Pancreas with 01 function of each.
2. Explain function of Antidiuretic hormone in maintaining water balance of body.
3. Describe in brief menstrual cycle.
4. Draw a diagram of Neuromuscular Junction.
5. Write a note on Cerebrospinal Fluid.
6. Explain Reflex arc with a diagram.

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

1. Name the functional unit of Kidney?
2. Acetylcholine is required for muscle contraction. True or False
3. Approximate Glomerular filtration rate is _____ ml per minute
(a) 125 (b) 250 (c) 40 (d) 170
4. Name any 01 neurotransmitter of Autonomic nervous system.
5. The sense organ which helps in olfaction is _____
6. The filtering unit of kidney is called _____
(a) Bowmen's capsule (b) Lymph node (c) Glomerulus (d) Pelvis
7. Testosterone is male sex hormone. True or False.
8. The meninges of brain is _____.
(a) Dura mater (b) Pia mater (c) Arachnoid mater (d) All of these
9. The number of cranial nerves is _____
(a) 31 (b) 15 (c) 25 (d) 12
10. Ureter is the part of _____ system
(a) Nervous (b) Renal (c) Endocrine (d) Muscular



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: Third
Subject	: Social Pharmacy	Subject Code	: 20115
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 30/03/2024

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

1. Define the following terms. A) Epidemic b) Pandemic c) Endemic d) Quarantine e) Contact tracing
2. What is viral hepatitis? Write its causative agents, symptoms, prevention and treatment.
3. Enlist the communicable diseases and write in detail about chickenpox.
4. Write in detail the classes of Anti-HIV drugs and their mechanism of action.

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

1. Explain the functioning of National AIDS control program.
2. What is food poisoning? What are its common causes?
3. Write causative agents, Mode of transmission and complications of leprosy.
4. What is health insurance? What are the components of health insurance?
5. Name any two STD's with their causative agents.
6. Discuss the role of pharmacist in hospital during disaster.

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

1. Who is the father of microbiology?
2. Acid fast staining is used for _____ bacterial species
a) Mycobacteria (b) E. coli (c) Vibrio (d) Clostridium
3. The causative agent for chickenpox is _____.
4. HIV is a Retrovirus. True or False.
5. Whooping cough is caused by _____.
a) Corynebacterium (b) Bordetella pertussis (c) Neisseria (d) Mycobacterium
6. The full form of NACP is _____.
7. NLEP functions for the control and prevention of _____.
a) AIDS (b) Leprosy (c) Tuberculosis (d) None of the above
8. National Leprosy Control Program was launched by Govt. of India in the year _____
a) 1954-55 (b) 1955-56 (c) 1956-57 (d) 1957-58
9. _____ of the following is not considered as phase of disaster management?
a) Prevention (b) Preparedness (c) Research (d) Recovery.
10. AIDS is a communicable disease. True or False.