



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	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Pharmacology	Subject Code	: 20221
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) Define Antitussive drugs. Classify Antitussive drugs in detail with example.
- 2) Explain in detail about Antacids.
- 3) Write in detail about Histamine.
- 4) What is chemotherapy? Write pharmacological action, mechanism of action, and therapeutic uses of Sulfonamides.

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

- 1) Define Diuretics. Give classification of diuretics.
- 2) What is thyroid hormone? Write synthesis of thyroid hormone.
- 3) Write the pharmacological functions of prostaglandins.
- 4) Give any 02 examples of antibiotic drugs with their mechanism of action.
- 5) Explain the properties of good antacid.
- 6) Write the sources and types of Biologicals.

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

- 1) _____ is not a bronchodilator.
a) Omeprazole b) Aminophylline c) Salbutamol d) Adrenaline
- 2) _____ is defined as the frequent passage of liquid feces with or without blood or mucus.
a) Diuresis b) Nausea c) Diarrhea d) Vomiting
- 3) _____ are substances that speed up and increase the volume of urine produced.
a) Diuretics b) Anti-ulcer drugs c) Anti-anginal drugs d) Haematinics
- 4) Example of weak diuretic include _____.
a) Propranolol b) Spironolactone c) Mannitol d) Furosemide
- 5) _____ are chemical messengers that convey information from one cell to the next.
a) Hormones b) Agonist c) Neurons d) None of these
- 6) Example of sulphonylureas is _____.
a) Propranolol b) Tolbutamide c) Methotrexate d) Metformin
- 7) _____ is a potent biogenic amine.
a) Histamine b) Noradrenaline c) Acetylcholine d) None of these
- 8) _____ drugs have similar atropine like and sedative effect.
a) Acetylcholine b) Ethanolamine c) Histamine d) None of these
- 9) Busulfan belong to the class of drugs _____.
a) Antibiotics b) Hormones c) Antimetabolites d) Alkyl sulfonates
- 10) _____ is a disease which causes characteristic lesions in the skin and the peripheral neurons.
a) Leprosy b) Cancer c) Tuberculosis d) Parkinson



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Community Pharmacy & Management	Subject Code	: 20222
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. Give the symptoms, Minor ailments and advices for self-care in pain.
2. Explain various legal requirements to set up a community pharmacy
3. Write a note on 'ABC' analysis is a method of inventory control
4. What are OTC medication? Give the need and role of pharmacist in OTC medication dispensing

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

1. Define inventory control. Give the objective of inventory control
2. Write a note on customer relationship management
3. Give the comparison between 'Retail pharmacy' and 'Online pharmacy'
4. Discuss the role of pharmacist in promoting safe practices during self-medication
5. Describe various type of cash book.
6. Give the causes and symptoms of vomiting

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

1. What is the minimum space required for wholesale drugstore?
2. _____ is the validity period of sale license.
3. ABC analysis is based on _____
(a) Ordering (b) Consumption (c) Value of time (d) All the above
4. Economic order quantity is used for purchase. True or False.
a) Inventory (b) Finance (c) Purchase (d) None
5. Cash memo is the testimony of _____
(a) Purchase record (b) Sales record (c) Counselling record (d) None of above
6. Name any 01 medicine sold as OTC product.
7. Cough syrups should be sold by OTC. True or False.
8. Rosacea commonly affects _____
(a) Middle aged women (b) Middle aged men (c) Children (d) Pregnant women
9. One of the medicine used in dandruff is _____
10. Cash memo must have the signature of _____
(a) Owner (b) Registered pharmacist (c) Any employee of pharmacy (d) Any one of the above.



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Biochemistry & Clinical Pathology	Subject Code	: 20223
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. Define Biotechnology. Discuss various application of biotechnology.
2. Give details about distribution and function of water.
3. Enlist different kidney function test and describe anyone in details.
4. Explain function of blood.

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

1. Define Anaemia and its various types.
2. Give different types of cholesterol.
3. Why water is good medium for chemical reaction.
4. Define dehydration. Give causes of dehydration.
5. What are advantages of ORS citrate solution?
6. Enlist different branches of biotechnology.

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

1. Daily requirement of iron for normal adult male is about _____
1. 5 mg 2. 8 mg 3. 15 mg 4. 20 mg
2. Water reabsorption is promoted by _____
1. Epinephrine 2. Prolactin 3. Renin 4. ADH
3. All the following are important electrolytes in the body except _____
1. Potassium ions 2. Carbon ion 3. Sodium ion 4. Chloride ion
4. The solute that contributes the most to the total serum osmolality is _____
1. Glucose 2. Chloride 3. Sodium 4. Urea
5. Green biotechnology deals with _____
1. vaccines 2. Agriculture 3. Drug 4. All
6. The Golden rice variety is rich in _____
1. B-carotene and ferritin 2. vitamin C 3. vitamin D 4. vitamin k
7. The functional unit of kidney is _____
1. Medulla 2. Neurons 3. Nephrons 4. Hilum
8. The amount of water present in blood plasma is _____
1. 99% 2. 90-92% 3. 10% 4. 55%
9. Vitamin essential for blood clotting is _____
1. Vit k 2. Vit b 3. Vitamin c 4. Vit a
10. Presence of sugar in urine indicates _____
1. Diabetes 2. Kidney stone 3. Hepatitis 4. Thyroid



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Acad. Year	: 2023-24	Batch Year	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Pharmacotherapeutics	Subject Code	: 20224
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) List any 05 measures to prevent Antimicrobial resistance.
- (2) What is Psoriasis? Describe any 02 pharmacological agents used in its treatment.
- (3) Explain in brief Rheumatoid arthritis. Give its risk factors and symptoms.
- (4) What is Depression? Give its types. Classify Antidepressant drugs.

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

- (1) What is Non pharmacological management of Polycystic Ovary Syndrome?
- (2) Give the dose of a) Fluoxetine (b) Chlorpromazine (c) Baricitinib
- (3) Describe the stages of Eczema.
- (4) Mention any 03 differences between Open Angle and Narrow Angle Glaucoma.
- (5) Explain any 03 clinical manifestations of Psychoses.
- (6) Give any 03 risk factors and symptoms of Osteoarthritis.

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

- (1) Intense fear of one or more specific situation or objects is called _____
A) OCD B) GAD C) Phobia D) Panic disorder
- (2) Rheumatoid arthritis leads to joint deformity. True or False.
- (3) Give any 02 symptoms of Scabies.
- (4) _____ neurotransmitter is affected in depression.
A) Serotonin B) Acetylcholine C) GABA D) Glutamate
- (5) Mention any 02 precautions to be taken in Conjunctivitis.
- (6) Antibiotics should be used regularly. True or False.
- (7) Name any 02 NSAIDs used in treatment of Rheumatoid arthritis.
- (8) SSRIs are used in the treatment of _____
A) Depression B) Conjunctivitis C) Osteoarthritis D) Glaucoma
- (9) In Glaucoma there is change in _____
A) Intracranial pressure B) Blood pressure C) Intra ocular pressure D) All of these
- (10) Symptom of pain before or during menstruation is called _____
A) Gonorrhoea B) PMS C) PCOS D) Dysmenorrhoea



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Acad. Year	: 2023-24	Batch Year	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Hospital and Clinical Pharmacy	Subject Code	: 20225
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 home medication review. Why it is important for the patient?
2. What are the steps involved in general treatment of poisoning? Explain.
3. What are antidotes? Classify them with example.
4. Describe in brief the status of the Pharmacovigilance in India.

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

1. What are universal antidotes? Give its composition.
2. Define DIC and state various sources of drug information.
3. Define drug interaction. Discuss any 2 drug food interactions with example.
4. Give thyroid function test.
5. Write a note on opioid poisoning.
6. Describe the tests of CBC.

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

1. The major cation found in extracellular fluid is _____
2. _____ hormone test used for testing thyroid functions.
(a) FSH (b) insulin (c) TSH (d) T5
3. _____ enzyme also perform cardiac function.
(a) Acid phosphate (b) LDH (c) Creatinine (d) ALT
4. In Myocardial infarction _____ of the cardiac enzymes elevates first
(a) LDT (b) CK (c) ALT (d) AST.
5. Platelet count is not a part of CBC. True or False.
6. Name any 02 examples of poison.
7. A poison produces its effect only when taken orally. True or False
8. _____ is used in the treatment of methanol poisoning.
9. _____ of the following is not a chelating agent.
(a) BAL (b) EDTA (c) Penicillamine (d) Naloxone
10. A substance that is used to neutralize or counteract the effect of poison is called
(a) Drug (b) antidote (c) ant allergic (d) antibiotic



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Acad. Year	: 2023-24	Batch Year	: 2022-24
Year	: Second	Sessional	: Third
Subject	: Pharmacy Law and Ethics	Subject Code	: 20226
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 31/03/2024

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

1. What is clinical trial & explain various phases of clinical trials
2. What is the role of the central & state govt. in implementation of the Clinical Establishment Act?
3. Write about biomedical waste management in pharmaceuticals.
4. Give the organization & function of Indian Pharmacopoeia.

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

1. Write down the code of ethics for pharmacist to his trade.
2. Explain when pregnancy can be terminated by RMP.
3. Write a note on import of medical devices.
4. Write a note on role of blood bank in emergency & urgent requirements.
5. Write down the objective of consumer protection act 2019.
6. Give the categorization of medical devices.

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

1. The core principle of bioethics are the following except ____
(a) Justice (b) beneficence (c) autonomy (d) maleficence.
2. Pharmacist is a liaison between ____
3. Medical Termination of Pregnancy Act was passed in ____
4. What is full form of IPC?
5. Drug regulatory body of India is ____
(a) MHRD (b) FDA (c) CDSCO (d) PMDA
6. Drug with high absorption number have ____ permeability.
(a) Low (b) high (c) both (d) none of above
7. The interval between two blood donations should be 6 weeks. True or False.
8. The Clinical Establishment Act was passed in ____ year.
(a) 2010 (b) 2012 (c) 2015 (d) 1980.
9. Where would you put a blood product packs?
10. Authoritative instruments that rules on society are ____
(a) ethics (b) law (c) code (d) both a&c.