



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	: Third
Subject	: Pharmaceutics	Subject Code	: 20111
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 25/04/2023

### I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Classify syrup & give its method of preparation?
2. Define emulsion and explain method of its preparation?
3. Differentiate between flocculated and deflocculated suspension?
4. Explain any two method of preparation of ointment.

### II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Define creams. Give its method of preparation?
2. Explain bases used for paste?
3. Write a note on evaluation test of lotion?
4. Explain preparation method of suppositories?
5. Write a note on nasal gel?
6. Explain method of preparation of liniment?

### III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. Simple syrup contains \_\_\_\_\_ amount of sucrose.  
(a) 50% w/v (b) 60.5W/V (c) 66.5w/v (d) 85% w/v
2. Dry syrups are \_\_\_\_\_  
(a) Suspension (b) Emulsion (c) Solution (d) none of above.
3. Pastes consist of \_\_\_\_\_ % of solids.  
(a) 0-10 (b) 20-50 (c) 100 (d) 0
4. Nasal drops should have the pH of \_\_\_\_\_.  
(a) 5-6 (b) 6-7 (c) 7-8 (d) none of the above
5. The primary emulsion formula for fixed oils is \_\_\_\_\_.  
(a) 4:2:1 (b) 3:2:1 (c) 2:2:1 (d) 1:2:1
6. Powders consisting of more than one ingredient are called as \_\_\_\_\_.  
(a) Compound powder (b) simple powder (c) Both (d) None
7. Elixirs contain \_\_\_\_\_ amount of sucrose.  
(a) 10-50% (b) 5-15% (c) 4-50% (d) 100%
8. Agents which prevents products from drying are called \_\_\_\_\_.  
(a) Astringent (b) Antiseptic (c) Humectants (d) Antimicrobial
9. Bentonite is an example of \_\_\_\_\_.  
(a) Hydro gels (b) Organo gel (c) Xerogel (d) None
10. The calamine lotion is used as \_\_\_\_\_.  
(a) Topical protective (b) Abrasive (c) Antidote (d) Antipyretic



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## D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Third
Subject	: Pharmaceutical Chemistry	Subject Code	: 20112
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 26/04/2023

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

1. Define & Classify Hypoglycemic agents. Write in detail about Metformin?
2. Give Chemical name, chemical structure, uses, formulations & brand names of Aspirin?
3. What are anti-infective agents? Classify with example. Write in brief about Miconazole?
4. What is Diabetes mellitus? Write types of Diabetes Mellitus?

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

1. Define Antibiotics. Classify them on the basis of spectrum of antimicrobial activity?
2. Write Uses, formulations and brand names of Fluorouracil?
3. What is neoplasm? What are its characteristic features?
4. Give physical properties, uses and formulation of Norfloxacin?
5. Name the pharmaceutical category of (A) Ketoconazole B) Pretomanid C) Acyclovir
6. Write Chemical name, chemical structure & dose of Isoniazide?

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

1. Non-insulin dependent Diabetes mellitus means \_\_\_\_\_ diabetes mellitus.  
a) Type-I                      b) Type-II                      c) MODY                      d) None of the above
2. \_\_\_\_\_ is known as insulin sensitizer.  
a) Glibenclamide              b) Glipizide                      c) Metformin                      d) Pioglitazone
3. Brand name of Dextropropoxyphene is \_\_\_\_\_.  
a) Verfen                      b) Proxyvon                      c) Dolophine                      d) Altec
4. NSAID's act by inhibiting \_\_\_\_\_ synthesis.  
a) Angiotensins              b) Prostaglandins              c) Leukotrienes                      d) None of the above
5. \_\_\_\_\_ is a fungal infection of nails.  
a) Ringworm                      b) Onychomycosis              c) Candidiasis                      d) Dandruff
6. UTI's are most commonly caused by \_\_\_\_\_ bacteria.  
a) Streptococci                      b) Staphylococci                      c) H. pylori                      d) E. coli
7. Anti-microbial agents which kill micro-organism are known as \_\_\_\_\_.  
a) Bactericidal                      b) Bacteriostatic                      c) Antibiotic                      d) None of the above
8. Aminoglycoside antibiotic is \_\_\_\_\_.  
a) Streptomycin                      b) Gentamicin                      c) Amikacin                      d) All of the above
9. Doxorubicin belongs to class \_\_\_\_\_.  
a) Anti-metabolite                      b) Antibiotic anti-neoplastic agent  
c) Alkylating agent                      d) Hormone antagonist
10. \_\_\_\_\_ is used in the treatment of Cancer of testes, ovary, cervix, breast, bladder, lung, brain tumors.  
a) Methotrexate                      b) Cisplatin                      c) Dromostanolone                      d) Fluorouracil



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## D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Third
Subject	: Pharmacognosy	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 27/04/2023

### I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Explain ERGOT cycle with diagram?
2. Write the method of preparation Arista and Gutika?
3. Give the commercial preparation and cosmetic uses of Aloe Vera gel?
4. Explain basic principle involved in Ayurvedic system of medicine?

### II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Define Pharmaceutical aid with 4 examples?
2. Explain any 3 chemical tests for Tragacanth and Gelatin?
3. Write biological source of lavender oil and Rosemary oil?
4. Give the chemical constituents and uses of Garlic?
5. What is Nutraceuticals? Classify Nutraceuticals with examples?
6. State the B.S. of Honey and mention uses of honey and beeswax?

### III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. Japanese isinglass is synonyms of \_\_\_\_\_ drug .  
(a) Tragacanth (b) Acacia (c) Gelatin (d) Agar
2. Olive oil belong to the family of \_\_\_\_\_  
(a) Lamiaceae (b) Santalaceae (c) Liliaceae (d) Oleaceae
3. Oxytocin has \_\_\_\_\_ effect on motility of uterus  
(a) Contraction (b) relaxation (c) both A & B (d) Stimulant
4. Lanoline is obtained form \_\_\_\_\_.  
(a) Apis Mellifera (b) Arachis hypogea (c) Apis dorsata (d) Ovis aries
5. Almond oil is used for \_\_\_\_\_  
(a) Constipation (b) Purgative (c) Medicine (d) Cosmetic
6. Soybean is \_\_\_\_\_ shaped  
(a) Kidney (b) Round (c) Oval (d) Longitudinal
7. Spirulina is \_\_\_\_\_ algae  
(a) Brown (b) Blue -green (c) Yellow green (d) Golden -brown
8. Alginic acid is chief constituents of \_\_\_\_\_  
(a) Tragacanth (b) Guar gum (c) Acacia (d) Sodium alginate
9. The colour of agar is \_\_\_\_\_  
(a) Red (b) Green (c) Black (d) Pale yellow
10. Siddha system is originated in \_\_\_\_\_.  
(a) Africa (b) China (c) America (d) South India



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### D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
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	: 28/04/2023

#### I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Draw a diagram of Female Reproductive system and mention function of each part?
2. Draw a diagram of parts of CNS and write a note on medulla oblongata?
3. Explain the process of urine formation?
4. Write a short note on hormones of Pituitary gland?

#### II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Draw a well labeled diagram of human Eye?
2. Explain menstrual cycle?
3. Write a note on CSF?
4. Draw a diagram of Urinary system and mention function of each part?
5. Give 01 function of 1) Insulin (2) Testosterone (3) Estrogen
6. Write a note on Reflex arc?

#### III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. Neuromuscular junction is associated with \_\_\_\_\_ muscles.  
(a) Smooth (b) Skeletal (c) Cardiac (d) All
2. Functional unit of nervous system is \_\_\_\_\_.  
(a) Nephron (b) Cyton (c) Neurone (d) Neuroglia
3. Reflex activities are mainly controlled through \_\_\_\_\_.  
(a) Spinal cord (b) Brain (c) Medulla (d) Cerebellum
4. The sensory cells in eye are \_\_\_\_\_.  
(a) Rods (b) Cones (c) Both a and b (d) Optic nerve
5. Maintaining water balance is the function of \_\_\_\_\_.  
(a) Heart (b) Blood (c) Large intestine (d) Kidney
6. In nephron blood filtration takes place in \_\_\_\_\_.  
(a) PCT (b) Glomerulus (c) DCT (d) Loop of Henle
7. Primary female sex organ is \_\_\_\_\_.  
(a) Ovary (b) Testes (c) Uterus (d) Fallopian tube
8. Aldosterone is produced by \_\_\_\_\_ gland.  
(a) Pituitary (b) Thymus (c) Adrenal (d) Thyroid
9. \_\_\_\_\_ is called as pregnancy hormone.  
(a) Estrogen (b) Testosterone (c) Oxytocin (d) Progesterone
10. Vasopressin is also called as \_\_\_\_\_.  
(a) Anti diuretic hormone (b) Calcitonin (c) Thymosin (d) Thyroxine



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### D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2022-23	Batch Year	: 2022-24
Year	: First	Sessional	: Third
Subject	: Social Pharmacy	Subject Code	: 20115
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 29/04/2023

#### I. Answer any THREE from the following questions

5 x 2 = 10 Marks

1. Write a note on TUBERCULOSIS?
2. Describe national health programme for AIDS?
3. Give the importance of pharmacoconomics?
4. Write clinical presentation and prevention on malaria?

#### II. Answer any FIVE from the following questions

5 x 3 = 15 Marks

1. Define 1) Isolation 2) Quarantine 3) Pandemic
2. Give the function and outcome of KALA AJAR?
3. Give the applications of Epidemiology?
4. Describe school health programme?
5. Write a note on Food poisoning?
6. Write a note on COVID 19?

#### III. Answer ALL from the following questions

1 x 10 = 10 Marks

1. A Virus can be composed of \_\_\_\_\_.  
(a) nucleic acid (b) capsid (c) envelope (d) all of the above
2. Father of microbiology \_\_\_\_\_.  
(a) Robert Koch (b) Louis Pasteur (c) Josephs lister (d) Antoine Leeuwenhoek
3. Whooping cough is also known as \_\_\_\_\_.  
(a) pertussis (b) measles (c) mums (d) diphtheria
4. Filariasis is caused by \_\_\_\_\_.  
(a) Wuchereria bancrofti (b) Brugia malayi (c) Brugia timori (d) all of the above
5. HIV belongs to  
(a) Retroviridae (b) Flaviviridae (c) Picornaviridae (d) none
6. DOTS was launched in India for the treatment for \_\_\_\_\_.  
(a) Leprosy (b) tuberculosis (c) AIDS (d) none
7. NACO was initiated in the year \_\_\_\_\_.  
(a) 1989 (b) 1990 (c) 1991 (d) 1992
8. Covid 19 is caused by \_\_\_\_\_.  
(a) SARS virus (b) Corona virus (c) RNA virus (d) all of the above
9. Noise pollution measured in units of \_\_\_\_\_.  
(a) meter (b) Decibel (c) KG (d) None
10. The amount paid by the customer to get health insurance is called as  
(a) Copayment (b) rent (c) Premium (d) none