



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	: First
Subject	: Pharmaceutics	Subject Code	: 20111
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 30/10/2023

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

1. Write any salient features of the fourth edition of I.P?
2. Write the advantages and disadvantages of glass as a material for packaging?
3. Define container selection criteria of packing materials?
4. Give the principle, construction and working of the hammer mill?

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

1. What is the scope of pharmacy?
2. Write the ideal properties of a good container?
3. Write the mechanism of size reduction?
4. Write a note on coloring agents used for pharmaceutical products?
5. Write a note on sweetening agents?
6. What is the classification of powders?

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

1. The first edition of IP was published in _____
(a) 1955 (b) 1966 (c) 1944 (d) 1952
2. Type-I glass is also called as _____.
(a) Treated soda lime glass (b) NP glass (c) Borosilicate glass (d) general soda lime glass
3. Portuguese started the first pharmacy college of Asia in India in ____
(a) 1842 (b) 1863 (c) 1932 (d) None of the above
4. Type-I glass is used for packing of _____ preparation.
(a) Parenteral (b) oral (c) powdered (d) None of the above
5. Saffron is an example of _____.
(a) Sweetening agents (b) flavor (c) color (d) preservatives
6. The D pharmacy course started in _____.
(a) 1949 (b) 1933 (c) 1955 (d) 1855
7. _____ is an official book containing standards of drugs which are manufactured in India
(a) IP (b) BP (c) USP (d) NFI
8. When was the pharmacy council of India established ____
(a) 1940 (b) 1945 (c) 1948 (d) 1955
9. The first edition of NFI was in _____.
(a) 1960 (b) 1923 (c) 1947 (d) 1956
10. Who is considered as the father of pharmacy education?
(a) Pro. M.L. Shroff (b) Mr. B.N. Ghosh (c) Dr. S. Lal (d) Prof. G.N. Srivastava



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D PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: First
Subject	: Pharmaceutical Chemistry	Subject Code	: 20112
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 31/10/2023

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

1. Give the limit test for arsenic?
2. Explain redox titration?
3. Define astringent; give the chemical formula, properties uses storage for hydrogen peroxide?
4. Write a note on antacid with example?

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

1. Define 1) Titrant 2) Titrate 3) Indicator
2. Give the difference between accuracy and precision
3. Define haematinics with any four examples
4. Define heterocyclic compounds and classify them
5. Write a note on limit test for chloride
6. Give the chemical formula, marketed preparation and uses of sodium bicarbonate

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

1. PH range for gastric juices _____
(a) 4.5-7 (b) 1.5-3.5 (c) 7.3-8 (d) 6-8
2. Chemical formula for bleaching powder _____.
(a) $\text{Ca}(\text{ClO})_2$ (b) $\text{Ca}(\text{ClO})_4$ (c) CaCO_2 (d) CaCl
3. Gutzzeit apparatus is used for limit test for ____
(a) Heavy metal (b) lead (c) arsenic (d) sulphate
4. Pyridine is a _____
(a) Weak acid base (b) weak base (c) strong acid (d) strong base
5. Acid base titration is also called as _____
(a) Redox titration (b) neutralization reaction (c) precipitation reaction (d) none of the above
6. Dental products are _____
(a) Calcium carbonate (b) sodium fluoride (c) denture cleaners (d) all of the above
7. Calcium carbonate is used as _____
(a) Antacid (b) protective (c) haematinic (d) medicinal gases
8. Silver nitrate and nitric acid is used as reagent in limit test for ____
(a) Chloride (b) lead (c) sulphate (d) heavy metal
9. _____ is an official book containing standards of drugs which are manufactured in India
(a) IP (b) BP (c) USP (d) NF
10. Furan is also named as _____
(a) oxole (b) isoxazole (c) oxirane (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	: First
Subject	: Pharmacognosy	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 01/11/2023

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

1. Define the term "Pharmacognosy" & explain the scope of Pharmacognosy.
2. Describe the contribution of ancient India in Pharmacognosy.
3. Define "Drug Adulteration". Describe any four method of adulteration with suitable example.
4. Define alkaloids with example. Write identification test for alkaloids.

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

1. Define a) Crude drug b) Volatile Oil.
2. Differentiate between Organized & Unorganized crude drug.
3. Write a note on morphological classification.
4. Define Tannins. Mention any two therapeutic uses of Tannins.
5. Enlist the Laxative drug.
6. Enlist the various method of classification of crude drugs

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

1. Papyrus is _____
(a) Carved on clay (b) Paper like (c) Rubber (d) Sand
2. Organized crude drug has _____.
(a) Exudate (b) Defined cellular structure (c) No cell structure (d) Resin
3. The crude drug classification based on its chemical constituents is _____.
(a) Taxonomical (b) Chemical (c) Chemical & Taxonomical (d) Pharmacological
4. Drug adulteration is _____.
(a) Estimation of activity (b) Determination of toxicity
(c) Identification of phytoconstituent (d) Substituting the original drug
5. Evaluation of crude drug _____.
(a) Determination of quality & purity (b) Substitution of drug
(c) Debasement of article (d) Confirmation of identity
6. Nicotine is isolated from _____ plant.
(a) Senna (b) Almond (c) Coffee bean (d) Tobacco
7. Penicillin was discovered by _____.
(a) William Turner (b) Alexander Fleming (c) Nu Yong (d) Louise Pasteur
8. Adulteration of clove is done by _____.
(a) Clove stalks (b) clove oil (c) Clove stalks & mother clove (d) Mother Clove
9. _____ of the following is NOT an organized crude drug
(a) Tragacanth (b) Digitalis (c) Aloe (d) Catechu
10. Ginger is adulterated with _____.
(a) Mexican ginger (b) Japanese & African ginger (c) Pakistan ginger (d) Nepal ginger



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Acad. Year	: 2023-24	Batch Year	: 2023-25
Year	: First	Sessional	: First
Subject	: Human Anatomy & Physiology – I	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 02/11/2023

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

1. With help of diagram explain different types of muscles.
2. Describe the structure of Plasma membrane and give its functions.
3. Write a note on Simple Epithelial tissue.
4. Explain the structure of Areolar Connective tissue and Adipose tissue.

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

1. Classify joints according to their structure and give 01 example of each.
2. Which are various body cavities?
3. Enlist any 03 functions of Skeleton.
4. Draw a diagram of typical cell and label.
5. Give structure and function of Mitochondria.
6. Draw a well labelled diagram of neuron and give its function.

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

1. Gout is the disease associated with _____
(a) Bones (b) Muscles (c) Joints (d) Cartilage
2. The cardiac muscles are _____
(a) Myogenic (b) Neurogenic (c) Oxygenic (d) All of these
3. _____ are protein factories of cell.
(a) Golgi body (b) Lysosome (c) Mitochondria (d) Ribosomes
4. Fibroblast cells are _____ shaped.
(a) Cube (b) Star (c) Column (d) Oval
5. Most abundant connective tissue of human body is _____
(a) Areolar (b) Adipose (c) Bone (d) Cartilage
6. Smooth muscle is also called as _____
(a) Striated (b) Voluntary (c) Visceral (d) Intercalated
7. _____ is example of glial cells
(a) Astrocytes (b) Oligodendrocytes (c) Satellite cells (d) All of these
8. The bone Humerus is present in _____
(a) Thigh (b) Skull (c) Upper limb (d) Vertebral column
9. The direction towards the back or spine indicate _____ position.
(a) Anterior (b) Lateral (c) Superficial (d) Dorsal
10. The cell functions are controlled by _____
(a) Mitochondria (b) Endoplasmic reticulum (c) Nucleus (d) Centrioles



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Subject	: Human Anatomy & Physiology – I	Subject Code	: 20113
Paper (T/P)	: Theory	Max. Marks	: 40
Time Duration	: 1 hour 30 minutes	Date	: 02/11/2023

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

1. Describe indicators of health.
2. Describe important features of National Health Policy, 2017.
3. What are the different contraceptive measures? Describe any one.
4. Explain the role of Pharmacist in promoting family planning.

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

1. What are the three concepts of prevention of disease? Explain.
2. Write the advantages of Breast milk & Disadvantages of Milk substitutes.
3. Explain selected health indicators in India.
4. Write in short various programs of Immunization.
5. What is the composition of vaccines & how they are constructed?
6. Explain in short the methods of water purification.

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

1. Identify one of the following which cannot be included in the concept of health _____
(a) Mental wellbeing (b) Religious wellbeing (c) Social wellbeing (d) Physical wellbeing
2. What is WHO _____.
(a) World Heart Organization (b) World Health Organization
(c) World Hospital Organization (d) None of these
3. Cholera is caused by _____.
(a) Salmonella typhi (b) Vibrio cholera (c) Plasmodium parasites (d) E.coli
4. The Systematic & Scientific study of human populations is known as _____.
(a) Census (b) Fertility (c) Demography (d) Family planning
5. Following one is not an example a spacing method of family planning
(a) Intra uterine contraceptive devices (b) (c) Laparoscopy (d) Oral contraceptive pills
6. Oral contraceptive pills are administered to _____.
(a) Men (b) Women (c) Both (a) and (b)
7. Vaccines produced by modifying disease-producing viruses or bacteria in a laboratory are known as _____.
(a) Live attenuated vaccines (b) Inactivated vaccines
(c) Surface protein (d) Monoclonal antibodies
8. Resistance to the infections which an individual exhibits by virtue of his or her genetic & constitutional make up is known as _____.
(a) Innate immunity (b) Acquired immunity (c) Herd immunity (d) Infection
9. Arsenic toxicity as _____.
(a) Melanosis (b) Leucomelanosis (c) Arsenicosis (d) None
10. Following one is not a water borne disease.
(a) Cholera (b) Arthritis (c) Typhoid (d) Malaria