



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

B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Human Anatomy and Physiology – I	Subject Code	: BP101T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 30/10/2023

I. Answer ALL the questions

5 x 2 = 10 Marks

1. Draw a well labelled diagram of Cell.
2. Define human anatomy and physiology?
3. Define Cartilage .What is the various type of cartilage?
4. What is Pinocytosis?
5. Describe the function of Mitochondria

II. Answer any ONE from the following questions

1 x 10 = 10 Marks

1. Define Coagulation. Describe in detail mechanism of blood coagulation.
2. What is Tissue? Explain its types & subtypes with neat labeled diagram.

III. Answer any TWO from the following questions

2 x 5 = 10 Marks

1. Explain structure & movement of shoulder joint.
2. Explain in details structure & function of cell.
3. Define Integumentary System & Explain in detail Skin.



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B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Pharmaceutical Analysis -I	Subject Code	: BP102T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 31/10/2023

I. Answer ALL the questions

5 x 2 = 10 Marks

1. Define the given terms i) Normality ii) Equivalent weight
2. What do you mean by monograph?
3. Enlist the sources of impurities?
4. Draw well label diagram of gutzeit apparatus?
5. Write down the factor influencing solubility?

II. Answer any ONE from the following questions

1 x 10 = 10 Marks

1. Describe in detail about neutralization curve?
2. Add detail note on source of error and its type and how to minimize?

III. Answer any TWO from the following questions

2 x 5 = 10 Marks

1. Write in short about theories of indicators?
2. Give a detail about estimation of sodium chloride?
3. Differentiate between acidimetry and alkalimetry in non-aqueous titration?



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B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Pharmaceutics – I	Subject Code	: BP103T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 01/11/2023

I. Answer ALL the questions

5 x 2 = 10 Marks

1. What is Pharmacopeia? Types of Pharmacopoeias?
2. Differentiate between Flocculated and non- Flocculated Suspension?
3. What is Eutectic mixture?
4. Define & Classify liquid dosage forms?
5. Define the term posology & Enlist factors affecting on dose of a drug?

II. Answer any ONE from the following questions

1 x 10 = 10 Marks

1. Describe in detail formulation of Emulsion?
2. Describe Stability of Suspension?

III. Answer any TWO from the following questions

2 x 5 = 10 Marks

1. Describe Stability of Suspension?
2. Define & Classify the Pharmaceutical Powder? Give Merits & Demerits of powder dosage forms?
3. Explain test for Identification of emulsion?



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B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Pharmaceutical Inorganic Chemistry	Subject Code	: BP104T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 02/11/2023

I. Answer ALL the questions

5 x 2 = 10 Marks

1. Define buffer solution?
2. What do you mean by I.P monograph?
3. Explain in short replacement therapy?
4. Define limit test?
5. What is homeostasis?

II. Answer any ONE from the following questions

1 x 10 = 10 Marks

1. Explain in detail sources of impurities in pharmaceutical products?
2. Describe in detail different theories of concept acid and base?

III. Answer any TWO from the following questions

2 x 5 = 10 Marks

1. Write in detail principle and procedure of sulphate limit test?
2. Give the preparation properties uses and assay of aluminum hydroxide gel.
3. Describe anticaries agent?



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B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Communication Skills	Subject Code	: BP105T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 03/11/2023

I. Answer any ONE from the following questions $1 \times 10 = 10$ Marks

1. Discuss in detail about linguistic barrier?
2. Write in detail note on non-verbal communication?

II. Answer any TWO from the following questions $4 \times 5 = 20$ Marks

1. What do you mean by physical communication?
2. What is direct communication style?
3. Give note on purpose of listening?
4. Add a note on self awareness?
5. How you manage to listen in a difficult situation?



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B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Remedial Biology	Subject Code	: BP106RBT
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 04/11/2023

I. Answer any ONE from the following questions **1 x 10 = 10 Marks**

1. Explain the structure of Brain & Spinal Cord?
2. What is Endocrine gland give its type Function? Explain any one Endocrine gland?

II. Answer any TWO from the following questions **4 x 5 = 20 Marks**

1. Draw & Explain the structure of Human Heart?
2. Explain Mechanism of Breathing?
3. What are the Plant growth regulators? Explain any two?
4. Draw & Explain the structure of Digestive System?
5. What are the plant growth regulators? Explain any two?



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Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: First	Sessional	: First
Subject	: Remedial Mathematics	Subject Code	: BP106RMT
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 04/11/2023

I. Answer any ONE from the following questions 1 x 10 = 10 Marks

1. Find the inverse L.T of

i) $\frac{2s+1}{s^2-4}$

ii) $\frac{4s+15}{16s^2-25}$

iii) $\frac{(\sqrt{s}-1)^2}{s^2}$

iv) $\frac{1}{\sqrt{2s+3}}$

2. Solve $y' + 10y = t^2; y(0) = 0$

II. Answer any FOUR from the following questions 4 x 5 = 20 Marks

1. Evaluate the following integrals.

i) $\int x^3 dx$ ii) $\int \sqrt{x} dx$

2. Evaluate $\int \frac{1}{1+\sin^2 x} dx$

3. Evaluate $\int \sin(\log x) dx$

4. Solve the following differential equation $\frac{dy}{dx} = \frac{y}{x} + \tan \frac{y}{x}$

5. Evaluate $\int_2^5 \frac{\sqrt{x}}{\sqrt{x+\sqrt{7-x}}} dx$