



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	: Second	Sessional	: First
Subject	: Human Anatomy and Physiology - II	Subject Code	: BP201T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 18/03/2024

**I. Answer ALL the questions**

**5 x 2 = 10 Marks**

1. Write a note on Meninges.
2. What is CSF? Describe it's functions.
3. Enlist the functions of stomach and colon.
4. What do you know about vocal cord?
5. Write a note on Salivary glands

**II. Answer any ONE from the following questions**

**1 x 10 = 10 Marks**

1. Explain in detail Digestive System.
2. Explain in detail Respiratory System.

**III. Answer any TWO from the following questions**

**2 x 5 = 10 Marks**

1. Explain in brief the Anatomy & physiology of Cerebellum.
2. Write a note on Mechanism of breathing.
3. What is reflex action? Name the parts of Reflex arc.



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### B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: Second	Sessional	: First
Subject	: Pharmaceutical Organic Chemistry – I	Subject Code	: BP202T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 19/03/2024

#### I. Answer ALL the questions

5 x 2 = 10 Marks

1. What is Chiral & Achiral Compound?
2. Define is hybridization.
3. Difference between E1 and E2 Reaction.
4. Draw the structure (2, 2, 4, trimethyl pentane & amyl Alcohol).
5. What are Electrophiles & Nucleophile?

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

1 x 10 = 10 Marks

1. Classification of organic compound and Isomerism With Example..
2. Explain factor effecting E1 & E2 reaction.

#### III. Answer any TWO from the following questions

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1. Write in detail the classification of heterocyclic compound.
2. Add a note on Halogenations reaction of alkanes with mechanism.
3. Short note on Ozonolysis



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**B PHARMACY INTERNAL EXAMINATION - THEORY**

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: Second	Sessional	: First
Subject	: Biochemistry	Subject Code	: BP203T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 20/03/2024

**I. Answer ALL the questions**

**5 x 2 = 10 Marks**

1. Define the term Biochemistry and Bio molecules.
2. Write the structure of D-Glucose & D Fructose.
3. Differentiate between essential and non essential amino acid.
4. What is Glycolysis and Gluconeogenesis?
5. Give classification of carbohydrates.

**II. Answer any ONE from the following questions**

**1 x 10 = 10 Marks**

1. Explain Kerbs' cycle in detail.
2. Write note on concept of Gibbs free energy.

**III. Answer any TWO from the following questions**

**2 x 5 = 10 Marks**

1. Define lipid & classify it with suitable example.
2. Write note on Diabetes Mellitus.
3. Explain the pathway of Glycolysis in details.



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**B PHARMACY INTERNAL EXAMINATION - THEORY**

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: Second	Sessional	: First
Subject	: Pathophysiology	Subject Code	: BP204T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 21/03/2024

**I. Answer ALL the questions**

**5 x 2 = 10 Marks**

1. Enlist intracellular accumulation.
2. What is Inflammation?
3. Write sign and symptoms of myocardial infarction.
4. Define tidal volume and residual volume.
5. Write etiology of CRF.

**II. Answer any ONE from the following questions**

**1 x 10 = 10 Marks**

1. Write in detail about etiology pathogenesis of acute renal failure.
2. Define emphysema give its sign & symptoms and diagnosis.

**III. Answer any TWO from the following questions**

**2 x 5 = 10 Marks**

1. Add a note on asthma with its management.
2. Explain in detail about COPD.
3. Give pathogenesis sign & symptoms of atherosclerosis.



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## B PHARMACY INTERNAL EXAMINATION - THEORY

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: Second	Sessional	: First
Subject	: Computer Applications in Pharmacy*	Subject Code	: BP205T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 22/03/2024

### I. Answer ALL the questions

5 x 2 = 10 Marks

1. What is computer?
2. Define the following terms: i) Software ii) Hardware
3. What is CSS? Enlist the types of CSS?
4. Enlist web server products?
5. What is the database?

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

1 x 10 = 10 Marks

1. Explain in detail DED with Example?
2. Explain HTML with various tags?

### III. Answer any TWO from the following questions

2 x 5 = 10 Marks

1. Write a note on pharmacy information system?
2. What is the pharmacokinetic? Explain in details?
3. Write a note on pharmacy and clinical pharmacy?



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**B PHARMACY INTERNAL EXAMINATION - THEORY**

Acad. Year	: 2023-24	Batch Year	: 2023-27
Semester	: Second	Sessional	: First
Subject	: Environmental Sciences*	Subject Code	: BP206T
Paper (T/P)	: Theory	Max. Marks	: 30
Time Duration	: 1 hour 30 minutes	Date	: 23/03/2024

**I. Answer ALL the questions**

**5 x 2 = 10 Marks**

1. Define Ecology.
2. Write a Short note on Soil Organic.
3. Define is hydrosphere.
4. What is food chain a biotic components.
5. What is minerals resource?

**II. Answer any ONE from the following questions**

**1 x 10 = 10 Marks**

1. Define Environment & add a note on the scope an important of environmental studies?
2. Describe the structure and functions of eco systems?

**III. Answer any TWO from the following questions**

**2 x 5 = 10 Marks**

1. Describe in brief method of conserving water resources.
2. Explain detail above significance of bio mass energy.
3. What is Ecological Pyramids?