

S. K. PATEL COLLEGE OF PHARMACEUTICAL EDUCATION & RESEARCH

INTERNAL EXAMINATION - 2015

Class: B. Pharm. - V

Subject: Pharm. Chem. - V (Biochemistry - I)

Total Marks: 20

Time: 1 hour

Date: 10/09/2015

Q: 1 Attempt any FOUR

(10)

1. Define: Bioenergetics. Describe free energy and laws of thermodynamics. Explain exergonic and endergonic reactions
2. Discuss functions of ATP in detail with necessary examples. Enlists other high energy phosphate compounds
3. Define: Redox potential. Discuss ETC with diagrammatic representation, energy capture, sites of phosphorylation and inhibitors
4. Define oxidative phosphorylation. Discuss mechanisms of oxidative phosphorylation with inhibitors and uncoupling agents
5. Discuss enzymes/coenzymes involved in oxidation reduction reactions with suitable examples

Q: 2 (A) Write a brief note on glycolysis

(03)

OR

Write a note on starch

(B) Attempt any TWO

(04)

1. Discuss osazone formation
2. Explain epimers
3. Write a note on mutarotation in brief

(C) Attempt any THREE

(03)

1. What is inversion of sucrose?
2. Write oxidation reactions of glucose
3. Give two examples of hetero polysaccharides with its biochemical role
4. Give structure of α -D glucopyranose

☺ GOOD LUCK ☺

SHREE S. K. PATEL COLLEGE OF PHARMACEUTICAL
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INTERNAL EXAMINATION- 2015

Class: B. Pharm Sem.-V

Total Marks: 20

Subject: Pharmaceutical Chemistry-VI

Time: 1 Hour

Date: 7/9/15

Q-1 Answer the following questions. [ANY FOUR] [14]

1. Explain Aromaticity of five member heterocyclic compound.
2. Discuss Past, Present and Future of Medicinal Chemistry.
3. Discuss bioisosterism with examples.
4. Discuss geometric and optical isomer with examples.
5. Write note on partition coefficient.

Q-2 Answer the following questions. [ANY TWO] [6]

1. Discuss mechanism of action and SAR of H₁ receptor antagonists.
2. Classify classical anti-histamine agents.
3. Write a note on anti-secretory drugs.

BEST OF LUCK

S. K. PATEL COLLEGE OF PHARMACEUTICAL EDUCATION & RESEARCH
INTERNAL EXAMINATION 2015

Class : B. Pharm. Sem.-V

Total Marks: 20

Subject: Hospital & Community Pharmacy

Time: 1 hour

Date : 12/09/2015

Q.-1		Write the answer on following. (Any two)	10
	1.	Write a note on content and updating of Hospital Formulary.	
	2.	Write a note on Procurement and Retrieval of information for DIC.	
	3.	Discuss the causes and prevention of Medication Error.	
Q.-2	A)	Write the answer on following. (Any two)	06
	1.	Describe the role of Clinical Pharmacist.	
	2.	Describe the function of pharmacy and Therapeutic Committee.	
	3.	Describe the duties of administrator of hospital.	
	B)	Write a note on Patient Counseling.	04

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INTERNAL EXAMINATION- 2015

Class: B. Pharm Sem.-V

Total Marks: 20

Subject: Pharmaceutical Management-I

Time: 1 Hour

Date: 11/9/15

Q-1 Answer the following questions. [ANY FOUR] [14]

1. Discuss management process theories.
2. Discuss nature and characteristic of coordination.
3. Discuss techniques of coordination.
4. Discuss characteristic of management
5. Write note on levels of management.

Q-2 Answer the following questions. [ANY TWO] [6]

1. Explain objectives and types of communication.
2. Write a note on negotiation goals and strategies.
3. Discuss business environment and its relation with government.

BEST OF LUCK

**S.K.PATEL COLLEGE OF PHARMACEUTICAL EDUCATION & RESEARCH
INTERNAL EXAMINATION 2015**

Class: B.Pharm. Sem-V

Max. Marks: 20

Subject: 5A02 PMB Pharmaceutical Microbiology

Date: 09/09/2015

- Q.1. Answer the followings (Any five). **05**
1. Define capsule and spore.
 2. What is Antiseptic? Give one example.
 3. Classify bacteria based on temperature requirements.
 4. Enlist methods for taxonomic classification of Bacteria.
 5. Define differential media. Give one example.
 6. Give function of flagella.
- Q.2. Answer the followings (Any two). **10**
1. Give a detail account on Bacterial growth curve.
 2. Outline the principle, procedure and applications of gram staining of bacteria.
 3. What is pure culture? Discuss any one method for isolation of pure culture.
- Q.3. Answer the followings.
1. Give short note on transmission electron microscopy. **03**
 2. Give Koch's postulates. **02**

All the Best

**“A really great man is known by three signs-generosity in the design, humanity in execution,
moderation in success”.**

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INTERNAL EXAMINATION: 2015-16

PHARMACOGNOSY-IV

B.PHARM. SEM-V

DATE: 8/09/2015

TIME: 1 HR

TOTAL MARKS: 20

ANSWER ANY FIVE

1. Differentiate primary and secondary plant metabolites giving their interrelationship.
2. Give Biogenetic pathway of Hyocyamine and Hyocine.
3. Give classification of alkaloid with suitable example.
4. Write a note on Ephedra.
5. Discuss the production of Ergot alkaloids.
6. Write a note on vasaka.
7. Define Biogenesis, Biosynthesis, Pseudo alkaloids, Protoalkaloids.

Shree S K Patel College of Pharmaceutical Education and Research

Mid Semester Examination

Class: B. Pharm Sem-V

Subject: Pharmacology-II

Date: 14/09/15

Max Marks 20

Que.1 Answer any TWO: [6]

1. Write a short note on Disulfiram.
2. Explain mechanism of action and clinical uses of Benzodiazepines.
3. Describe various stages of anesthesia.

Que.2 A]. Classify antihypertensive drugs. Describe mechanism of action, unwanted effects and clinical uses of Enalapril. [5]

OR

Describe the exogenous pathway of lipid transport. Explain mode of action, adverse drug reactions and therapeutic uses of statins.

B] Answer any THREE: [9]

1. Write down major adverse drug reactions and treatment of Digitalis toxicity.
2. Explain mechanism of action and therapeutic uses of Nitrates.
3. Describe mode of reabsorption at loop of henle and proximal convoluted tubule.
4. Write a short note on Vasopressin analogues.

Best of luck