

September 2009

[KV 806A]

Sub. Code: 3806A

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008 - 2009)

(Candidates admitted from 2008-2009 onwards)

FIRST YEAR

Paper VI – REMEDIAL BIOLOGY

Q.P. Code : 383806A

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. Classify the fruits and write in detail about the dehiscent capsular fruits with examples.
2. Define respiration. Write the types of respiration. Explain the anaerobic respiration and photo synthesis.

II. Write Short Notes :

(6 x 5 = 30)

1. Structure and functions of animal tissues.
2. Excretory products of animal cells.
3. Axial skeleton of frog.
4. Vertebrate.
5. Write the poisonous animals.
6. Muscular tissues.

March 2010

[KW 806A]

Sub. Code: 3806A

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008 - 2009)

(Candidates admitted from 2008-2009 onwards)

FIRST YEAR

Paper VI – REMEDIAL BIOLOGY

Q.P. Code : 383806A

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. Explain the morphological characters of aerial parts of plants and write the types, functions and uses of roots.
2. Describe the isolation of bacteria and explain the stains and types of staining.

II. Write Short Notes :

(6 x 5 = 30)

1. Classify methods of yeast.
2. Functions and types of stipules leaves.
3. Types of flowers.
4. Nervous system of frog.
5. Characters of class mammalian.
6. Epithelial tissues.

September 2010

[KX 806A]

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DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

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FIRST YEAR

Paper VI – REMEDICAL BIOLOGY

Q.P. Code : 383806A

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. Describe the various components of an animal cell with a neat and labeled diagram.
2. Describe the underground stem and its modifications with suitable examples.

II. Write Short Notes :

(6 x 5 = 30)

1. Classifications of plant Kingdom.
2. Pollination of flowers.
3. Penicillin.
4. Reptiles.
5. Poisonous animals.
6. Ovaries of frog.

May 2011

[KY 831]

Sub. Code: 3831

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

(Regulations 2008 - 2009)

(Candidates admitted from 2008-2009 onwards)

FIRST YEAR

Paper VI – REMEDICAL BIOLOGY

Q.P. Code : 383831

Time : Three hours

Maximum : 70 marks

Answer All questions

I. Essay Questions :

(2 x 20 = 40)

1. Describe about the morphology of fruits with diagrams.
2. Discuss about the animal tissue systems.

II. Write Short Notes :

(6 x 5 = 30)

1. Root modifications.
2. Taxonomy of Liliaceae.
3. Types of bacteria.
4. Classify the kingdom of Chordata.
5. Poisonous animals.
6. Types of respiration in frog and explain about any one type.

October 2011

[KZ 831]

Sub. Code: 3831

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

FIRST YEAR

PAPER VI – REMEDIAL BIOLOGY

Q.P. Code : 383831

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. (a) Define plant Taxonomy and discuss in detail morphological characters of Umbelliferous fruits. (10)	17	40 min.	20
(b) Describe the types and structure of Bacteria. (10)			
2. (a) Describe the structures of plant cell and animal cell with neat labeled diagram. (15)	17	40 min.	20
(b) How will you differentiate plant cell from animal cell. (5)			

II. Write notes on :

1. Mechanism of respiration of frog.	4	10 min.	6
2. Differentiate monocotyledons and dicotyledons.	4	10 min.	6
3. Write short notes on excretory products of plants.	4	10 min.	6
4. Morphology of seeds with suitable examples.	4	10 min.	6
5. Distinguish between gram positive and gram negative bacteria.	4	10 min.	6
6. Define enzymes and its pharmaceutical importance.	4	10 min.	6
7. Photosynthesis.	4	10 min.	6
8. Define and classify animal tissues.	4	10 min.	6
9. Write a short note on structure of Fungi.	4	10 min.	6
10. Types of roots and its functions.	4	10 min.	6

[LA 831]

APRIL 2012

Sub. Code: 3831

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION

FIRST YEAR

PAPER VI – REMEDIAL BIOLOGY

Q.P. Code : 383831

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Write an account on plant tissue with neat labeled diagram and their functions. (7 + 8 + 5)	17	40	20
2. Write a detail note on digestive system of frog with neat labeled diagram. (10 + 10)	17	40	20

II. Write notes on :

1. Write a brief note on plant cell inclusions with neat labeled diagrams.	4	10	6
2. What is meant by inflorescence? Write a note on different inflorescence of a plant with diagram.	4	10	6
3. Write a note on fungi & bacteria with suitable examples.	4	10	6
4. Write a short note on parts of a plant leaf and leaf modifications.	4	10	6
5. Write about the parts of flowers belonging to solanaceae family with neat labeled diagram	4	10	6
6. Draw a neat labeled diagram of external features of frog. Differentiate male & female frog	4	10	6
7. What do you mean by animal kingdom? Write a note on Amoeba with neat labeled diagram	4	10	6
8. Write in detail about frog brain with neat labeled diagram.	4	10	6
9. Write a note on vertebrates with examples	4	10	6
10. Explain the parts and functions of animal skin with a neat labeled diagram	4	10	6

[LB 831]

OCTOBER 2012
PHARM. D DEGREE EXAMS
FIRST YEAR
PAPER VI – REMEDIAL BIOLOGY
Q.P. Code : 383831

Sub. Code: 3831

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Discuss about the stem modifications of the plants with examples. | 17 | 40 | 20 |
| 2. Briefly discuss about the Kingdom of Chordata with examples. | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Explain about the dermal tissue system of the plants with examples. | 4 | 10 | 6 |
| 2. Classify the types of inflorescence in flowers. | 4 | 10 | 6 |
| 3. Discuss about Dehiscent capsular fruits. | 4 | 10 | 6 |
| 4. Taxonomy of Leguminaceae. | 4 | 10 | 6 |
| 5. Give a note on fungi. | 4 | 10 | 6 |
| 6. Give a note on animal cell. | 4 | 10 | 6 |
| 7. Epithelial tissue. | 4 | 10 | 6 |
| 8. Nervous system of Frog. | 4 | 10 | 6 |
| 9. Mineral absorption in the growth of plants. | 4 | 10 | 6 |
| 10. Give a note on Poisonous animals. | 4 | 10 | 6 |

[LC 831]

APRIL 2013
PHARM. D DEGREE EXAMINATION
FIRST YEAR
PAPER VI – REMEDIAL BIOLOGY
Q.P. Code : 383831

Sub. Code: 3831

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Draw a neat labeled diagram of plant cell and explain the parts of cell inclusions with their functions.
2. What are mammals? Write an account on animal kingdom with examples.

II. Write notes on :

(10x6=60)

1. Write about the morphology of plant with neat labeled diagrams.
2. Write about the parts of flowers belonging to rubiaceae family with neat labeled diagram.
3. Write a detail note on types and functions of vascular bundles.
4. Explain Collenchyma and sclerenchyma with neat labeled diagrams.
5. Write a detail note on Yeast and Penicillin.
6. Explain about poisonous animals with suitable examples.
7. What do you mean by animal tissue? Write a note on cardiac tissue & skeletal muscle with neat labeled diagram.
8. Write in detail about Fish with neat labeled diagram.
9. Write a note on animal tissue with neat labeled diagram and their functions.
10. What are reptiles? Explain the parts and functions of reptiles with a neat labeled diagram.

[LD 831]

OCTOBER 2013

Sub. Code: 3831

PHARM.D DEGREE EXAMINATIONS

FIRST YEAR

PAPER VI – REMEDIAL BIOLOGY

Q.P. Code : 383831

Time: Three Hours

Maximum: 70 marks

Answer ALL questions in the same order

I. Elaborate on:

(2 x 20 = 40)

1. Give an account on plant kingdom and its classification.
2. Write the classification of animal tissues.
Explain the structure and functions of animal tissues with neat diagrams.

II. Write notes on:

(10 x 3 = 30)

1. Write the functions of the following organelles of a plant cell:
 - (a) Mitochondria
 - (b) Plasma- membrane
2. Short notes on complex permanent tissues.
3. How will you differentiate leaf and leaflets.
4. Describe the morphology of flower with neat labeled diagram.
5. Name the medicinally important leaves and their medicinal uses.
6. Describe isolation of bacteria.
7. Write any six differences between plant cell and an animal cell.
8. Write short notes on poisonous reptile.
9. Write a note on spinal cord of frog.
10. What are Pisces? Explain the parts and function of Pisces with a neat labeled diagram.

[LE 831]

APRIL 2014

Sub. Code: 3831

**PHARM. D DEGREE EXAMS
FIRST YEAR
PAPER VI – REMEDIAL BIOLOGY**

Q.P. Code : 383831

Time : 3 hours

Maximum : 70 marks

I. Elaborate on :

(2x20=40)

1. What is growth? What are the factors responsible for promoting the growth of plants?
2. Describe the structure of plant cell and animal cell with neat labeled diagram. How will you differentiate plant cell from animal cell.

II. Write notes on :

(10x3=30)

1. What is applied botany? How is it sub-classified?
2. Muscular tissues.
3. Classification of plant kingdom.
4. Details of snake-poisoning treatment.
5. Therapeutical importance of vitamins.
6. Bacteria.
7. Draw a neat labeled diagram of external features of Frog. Differentiate male and female frog.
8. Draw neat and well labeled diagrams of ten types of shape of leaves.
9. What are underground modification of stems? Describe each with examples.
10. Characters of mammalian.

[LF 831]

OCTOBER 2014

Sub. Code: 3831

**PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
FIRST YEAR
PAPER VI – REMEDIAL BIOLOGY**

Q.P. Code : 383831

Time : Three hours

Maximum : 70 marks

I. Elaborate on :

(4 x 10 = 40)

1. Define plant taxonomy and discuss in detail the morphological characters of umbelliferous fruits.
2. Describe the structure of Plant cell with a neat labelled diagram.
3. Explain the digestive system of frog.
4. What are ergastic substances? Explain in detail about the reserve foods.

II. Write notes on :

(6 x 5 = 30)

1. Explain the various Plant inclusions
2. Define Transpiration. Describe the factors affecting transpiration
3. Write a note on Penicillins
4. Explain the Arterial system of frog
5. Describe the types of muscular tissue
6. List out the medicinal uses of Pisces
