

[KP 1004]

Sub. Code : 6217

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Year

(Non-Semester Regulations)

Paper IV — MICROBIOLOGY/PATHOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer Section A & B on separate answer book.

Answer ALL questions.

SECTION A

(MICROBIOLOGY)

I. Essay :

(1) Name the viruses that affect the nervous system. Write briefly about the structure, route of entry, pathogenesis, complications and prevention of poliomyelitis. (15)

(2) Define and classify acquired community and write in detail about active immunity. (10)

II. Short notes : (3 × 5 = 15)

- (a) Osteomyelitis
- (b) Rabies prophylaxis
- (c) Human Immuno Deficiency Virus.

SECTION B

(PATHOLOGY)

III. Essay :

(1) Discuss the types of wound healing and complications of wound healing. Add a note on fracture healing. (5 + 5 + 5 = 15)

(2) Define Neoplasm. Discuss in detail the differences between benign and malignant Neoplasm. (10)

IV. Write short notes on : (3 × 5 = 15)

- (a) Vit. A Deficiency
- (b) Bronchial Asthma
- (c) Rheumatoid Arthritis.

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BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Year

(Revised Non-Semester and Third Semester New
Modified Regulations)

MICROBIOLOGY/PATHOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer Section A and B on SEPARATE answer book.

Answer ALL questions.

SECTION A

(MICROBIOLOGY)

I. Essay :

(1) What are the different methods of
sterilization in microbiology? Write in detail about the
physical methods of sterilization. (15)

(2) Write about morphology, pathogenesis and
lab diagnosis of M. Tuberculosis. (10)

II. Short notes : (3 × 5 = 15)

- (a) Flagella
- (b) Lab diagnosis of enteric fever
- (c) Polio virus.

SECTION B

(PATHOLOGY)

III. Essay :

(1) Define thrombosis and describe the types of
thrombosis and discuss the aetio-pathogenesis of venous
thrombosis. (5 + 5 + 5 = 15)

(2) Define and classify pneumonia. What is lobar
pneumonia? Write etiology and pathological changes of
lobar pneumonia. (2 + 2 + 6 = 10)

IV. Short notes : (3 × 5 = 15)

- (a) Fat embolism.
- (b) Iron deficiency anaemia
- (c) Emphysema.

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EXAMINATION.

Second Year

(Revised Non-Semester and Third Semester Modified/
New Modified Regulations)

MICROBIOLOGY/PATHOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer Section A and B on SEPARATE answer book.

Answer ALL questions.

SECTION A

(MICROBIOLOGY)

I. Essay :

(1) Describe the various Routes of Entry of Infections. Write in detail about spread, Laboratory Diagnosis, and prophylaxis of Tuberculosis. (15)

(2) Classify sterilization : Write in detail about Auto Clave. (10)

II. Short notes : (3 × 5 = 15)

- (a) Urinary Tract Infections.
- (b) Hospital Acquired Infections.
- (c) Polio Vaccine.

SECTION B

(PATHOLOGY)

III. Essay :

(1) Define inflammation. Write causes signs and Types of inflammation. Discuss briefly on vascular events in acute inflammation. (2 + 6 + 7 = 15)

(2) Define Neoplasm. Classify and describe the differences between benign and malignant tumours. (2 + 2 + 6 = 10)

IV. Write short notes on : (3 × 5 = 15)

- (a) Bronchiectasis.
- (b) Volkman's Ischaemia.
- (c) Differences between Benign and Malignant tumor.

FEBRUARY 2008

[KS 1004 (X)]

Sub. Code : 6217

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Year

(Revised Non-Semester and Third Semester
Modified/New Modified Regulations)

MICROBIOLOGY/PATHOLOGY

Q.P. Code : 746217

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer Section A and B on **SEPARATE** answer book.

Answer ALL questions.

SECTION A

(MICROBIOLOGY)

I. Essay :

1. Classify and explain in detail various types of
Hypersensitivity Reactions. (15)

2. Write about Pathogenesis, Laboratory Diagnosis
and Prophylaxis of Polio Virus. (10)

II. Short notes :

(3 × 5 = 15)

1. VDRL

2. AIDS

3. Capsule.

SECTION B

(PATHOLOGY)

III. Essay :

1. Define Neoplasm. Describe the different pathways
of metastasis. Discuss briefly about metastatic cascade.
(2 + 7 + 6 = 15)

2. What is shock? What are the mechanisms
underlying different types of shock? Discuss briefly the
pathogenesis of septic shock. (2 + 2 + 6 = 10)

IV. Write short notes on :

(3 × 5 = 15)

1. Emphysema.

2. Necrosis.

3. TB osteomyelitis.

AUGUST 2008

[KT 1004 (X)]

Sub. Code : 6217

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Second Year

**(Revised Non-Semester and Third Semester
Modified/New Modified Regulations)**

MICROBIOLOGY/PATHOLOGY

Q.P. Code : 746217

Time : Three hours

Maximum : 100 marks

Answer Section A and B on SEPARATE answer book.

Answer ALL questions.

**SECTION A
(MICRO BIOLOGY)**

I. Essay :

**1. Discuss in detail about the virology, pathogenesis,
laboratory diagnosis and prevention of rabies.**

(3 + 4 + 4 + 4 = 15)

**2. Name different types of Immunity. Give a full
account of acquired immunity.**

(3 + 7 = 10)

AUGUST 2008

II. Short notes : (3 × 5 = 15)

1. Laboratory Diagnosis of Mycobacterium tuberculosis.
2. Chemical disinfectants.
3. Candida Albicans.

III. Short answer questions. (5 × 2 = 10)

1. Write two functions of capsule.
2. Mention four common types of Hospital Infection.
3. Name the Immunoglobulin classes.
4. Enumerate different types of Hypersensitivity reactions.
5. Name four superficial fungal Infections.

SECTION B

(PATHOLOGY)

IV. Essay :

1. Define Inflammation. Write in detail about chemical mediators of inflammation. (1 × 15 = 15)
2. Classify chronic obstructive pulmonary diseases. Write in detail about Emphysema. (10)

V. Write short notes on : (3 × 5 = 15)

1. Rheumatoid Arthritis.
2. Typhoid.
3. Air Embolism.

VI. Write short answers : (5 × 2 = 10)

1. Poliomyelitis.
 2. Types of urinary stones.
 3. Common sites of tuberculous osteomyelitis.
 4. Local factors influencing wound healing.
 5. Two types of metaplasia.
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