APRIL - 1990

047

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION, APRIL 1990.

(Common to B.O.T. Degree examination)

Third Semester

PATHOLOGY AND MICROBIOLOGY

Time : Three hours.   Maximum : 100 marks.

SECTION A — PATHOLOGY

(50 marks)

Answer ALL questions.

1.   Describe the methods of spread of malignant tumours.   (10)

2.   Write briefly on any *four* of the following :

   (a) Leprosy

   (b) Squamous cell carcinoma

   (c) Scurvey

   (d) Wound healing

   (e) Montaeux test.   (4×5)

3.   Write short notes on any *four* of the following :

   (a) Fat embolism

   (b) Leiomyoma

   (c) Gangrene

   (d) Thyrotoxicosis

   (e) Hypertrophy.   (4×5)

SECTION B — MICROBIOLOGY

(50 marks)

Answer question No. 7 and any TWO of the remaining questions.

4.   Define immunity. Classify and give examples for each.   (10)

5.   Write short notes on :

   (a) Complement

   (b) Delayed hypersensitivity   (2×5)

6.   Write briefly on :

   (a) B.C.G.

   (b) Widal test

   (c) Gram's stain

   (d) Inclusion bodies.   (2½×4)

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7. Write short notes on any *six* of the following :

(a) Autoclave

(b) Koch's postulates

(c) Vibrio cholera

(d) Disinfectants

(e) Food poisoning

(f) Polio vaccine

(g) Thrush

(h) Drug resistant staphylococci.   (6×5)

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BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION (B.P.T.), NOVEMBER 1990.

Third Semester

Paper I — PATHOLOGY AND MICROBIOLOGY

Time : Three hours.   Maximum : 100 marks.

(Common to Bachelor of Occupational Therapy Degree Examination (B.O.T.)   Third Semester — Paper II)

Answer Sections A and B in seperate answer books.

SECTION A — PATHOLOGY (50 marks)

Answer ALL questions

1.   Define inflammation. What are the cardinal signs of inflammation ? Describe the inflammatory exudate. (10)

2.   Write briefly on any FOUR of the following :
   (a) Tuberculin test.
   (b) Rickets.
   (c) Thrombus.
   (d) Atrophy.
   (e) Bacterial meningitis.   (4×5=20)

3.   Write short notes on any FOUR of the following :
   (a) Teratoma.
   (b) Cushing's syndrome.
   (c) Septic shock.
   (d) Fibrosarcoma.
   (e) Diphtheritic membrane   (4×5=20)

SECTION B — MICROBIOLOGY (50 marks)

Answer Question No. 7 and any TWO of the remaining questions.

Define antigen. What are the different types of antigen-antibody reactions ?   (10)

Write short notes on :
   (a) sterilisation methods.
   (b) acquired immunity.   (2×5=10)

6.   Write briefly on :
   (a) A.F.B. stain.
   (b) Rabies.
   (c) McIntost Flides jar.
   (d) Cross-infection.   (2½×4=10)

Write short notes on any SIX of the following :
   (a) Antibiotic sensitivity test.
   (b) Wasserman test.
   (c) Hanging drop.
   (d) Exotoxins.
   (e) Bacillary dysentery.
   (f) Gas gangrene.
   (g) LaBroman test.
   (h) Streptococci.   (6×5=30)

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BACHELOR OF PHYSIOTHERAPY (B.P.T.) DEGREE EXAMINATION, APRIL 1991.

Third Semester

Paper I — PATHOLOGY AND MICROBIOLOGY

(Common to B.O.T. Examination)

Time : Three hours.   Maximum : 100 marks.

Section A and B to be answered in separate answer books.

Answer ALL the questions.

SECTION A — (50 marks)

(PATHOLOGY)

1. Define Necrosis. What are the types of Necrosis and describe the pathology of any one of them.   (10 marks)

2. Write briefly on any *four* of the following :

   (a) Granuloma.

   (b) Osteomyelitis.

   (c) Lung abscess.

   (d) Volkmann's ischaemia.

   (e) Spread of Neoplasm.   (20 marks)

3. Write short notes on any *four* of the following :

   (a) Seminoma.

   (b) Blood picture in iron deficiency anaemia.

   (c) Rheumatoid arthritis.

   (d) Osteogenic sarcoma.

   (e) Lepromatous leprosy.   (20 marks)

SECTION B — (50 marks)

(MICROBIOLOGY)

4. Describe briefly the bacterial structure.   (10 marks)

5. Describe the properties of Immunoglobulins.   (10 marks)

6. Write short notes on any *six* of the following :

   (a) Adjuvant.

   (b) Whooping cough.

   (c) Autoclave.

   (d) Laboratory diagnosis of cholera.

   (e) Prophylaxis of tetanus.

   (f) Complement fixation test.

   (g) Wool-sorter's disease.

   (h) Polio vaccines.   (50 marks)

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APRIL - 1992

[674]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATIO

APRIL 1992.

Third Semester — Old Regulations

Paper 1 — PATHOLOGY AND MICROBIOLOGY

(Common to B.P.T. and B.O.T.)

Time : Three hours.   Maximum : 100 mar

Answer Sections A and B in separate answer books

Answer ALL questions.

SECTION A — (50 marks)

(Pathology)

1.   Describe briefly the pathology of inflammation a
repair.   (1

2.   Write briefly on any FOUR :

  (a) Miliary tuberculosis.

  (b) Amoebic hepatitis.

  (c) Aneurysm.

  (d) Renal calculi

  (e) Osteomyelitis.   (4 × 5 = 20

3.   Write short notes on any FOUR :

  (a) Volkmann's ischaemia.

  (b) Lepromatous leprosy.

  (c) Rheumatoid arthritis.

  (d) Malignant melanoma.

  (e) Prostatic hypertrophy.   (4 × 5 =

SECTION B — (50 marks)

(Microbiology)

4   Describe with examples the different antigen-antibody
reactions.   (10)

5.   Write briefly on any FOUR :

  (a) Methods of sterilization.

  (b) Bacterial toxins.

  (c) Gram staining.

  (d) Widal Test

  (e) Food poisoning   (4 × 5 = 20)

6.   Write short notes on any FOUR :

  (a) Bacterial spores.

  (b) Antibiogram.

  (c) Asepsis.

  (d) Hanging drop preparation.

  (e) Acid-fast bacilli.   (4 × 5 = 20)

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NOVEMBER - 1993

[PR 628]

Bachelor of Physiotherapy
Degree Examination

Semester III — Old Regulations

Paper I PATHOLOGY AND MICROBIOLOGY
(Common to BPT and BOT)

Time : Three hours   Maximum : 100 marks

Answer Sections A and B in separate answer books

Answer ALL the Questions

SECTION A   PATHOLOGY   [50 marks]

1. Describe the etiology, spread and classification of common tumours   [10]

2. Write briefly on any FOUR   (4X5 = 20)

   (a) Aneurysm

   (b) Inflammation

   (c) Psoriasis

   (d) Myopathies

   (e) Volkmann's ischaemia

3. Write short notes on any FOUR :   (4X5 = 20)

   (a) Tuberculoid leprosy

   (b) Renal calculi

   (c) Bronchiectasis

   (d) Necrosis

   (e) Embolism

SECTION B   MICROBIOLOGY   [50]

4. Define immunity. Describe the classification of immunity with examples   [10]

5. Write briefly on any FOUR .   (4X5 = 20)

   (a) Bacterial spores

   (b) Endotoxin

   (c) Sterilization

   (d) Botulism

   (e) Hanging drop preparation

6 Write short notes of any FOUR: (4X5 = 20)

   (a) Acid fast bacilli

   (b) Vibrio cholera

   (c) Complement

   (d) Scabies

   (e) Rabies virus

NOVEMBER - 1994

ND 787

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Third Semester (Old Regulation)

Pathology and Microbiology

(Common to BPT and BOT)

Time: Three Hours   Max. Marks: 100

Answer section A and B in separate answer books

Answer all questions

Section-A Pathology   50 Marks

1. Describe the aetiology, classification and pathogenesis of shock.   (10)

2. Write briefly on any four :   (4x5= 20)
   a. Phagocytosis
   b. Volkman's ischaemia
   c. Renal edema
   d. Fate of thrombus
   e. Oncogenic viruses

3. Write short notes on any four :   (4x5= 20)
   a. Primary complex
   b. Giant cells
   c. Classification of anaemias
   d. Osteogenic sarcoma
   e. Rheumatic fever

Section-B Microbiology   50 Marks

4.   a. Define and classify sterilisation.
     b. How will you sterilise surgical instruments?

5. Write briefly on any four :   (4x5
   a. Gram's staining
   b. Prophylaxis against tetanus.
   c. Transmission of infection.
   d. Food poisoning.
   e. Wound infection.

6. Write short notes on any four   (4x5=
   a. Classification of viruses.
   b. Lab diagnosis of salmonella
   c. Membrane filters.
   d. Bacillary dysentary.
   e. Coagulase test.

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APRIL - 1995

SB 801

BACHELOR OF PHYSIOTHERAPY
DEGREE EXAMINATION
(OLD REGULATIONS)
Third Semester
Pathology and Microbiology
(Common to BPT and BOT)

Time : Three hours   Max. Marks : 100

Answer Section A and B in separate answer books.

Answer all questions

SECTION - A
PATHOLOGY

1. Define inflammation and describe the vascular changes in
   inflammation.   (10)

2. Write briefly on any Four
   a). Gangrene
   b). Scleroderma
   c). Osteoclastoma
   d). Peptic ulcer
   e). Rheumatoid arthritis   (4 X 5 = 20)

3. Write short notes on any Four:
   a). Emphysema
   b). Fat embolism
   c). Healing of fracture
   d). Granuloma
   e). Rickets   (4 X 5 = 20)

SECTION - B
MICROBIOLOGY

4. Enumerate the various causes of food poisoning?
   Describe the laboratory tests to identify them?
                                                              (10)

5. Write briefly on any Four:
   a). Bacterial capsule
   b). Carriers
   c). Water borne diseases
   d). Candidiasis
   e). Transport medium   (4 X 5 = 20)

6. Write short notes on any Four:
   a). Polio virus
   b). Passive immunity
   c). Adjuvants
   d). Amoebic dysentery
   e). Lepromin test   (4 X 5 = 20)

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NOVEMBER - 1995

[MB 904]

Bachelor of Physiotherapy
Degree Examination

(Old Regulations)

Third Semester

PATHOLOGY AND MICROBIOLOGY

(Common to BPT and BOT)

Time : Three hours   Maximum 100 : marks

Answer Sections A and B in separate answer books

Answer All questions

SECTION—A
(PATHOLOGY)

1. What are the characteristics of benign and malignant neoplams, and discuss briefly about mode of spread of tumors. (10)

2. Write briefly on any Four : (4X5 = 20)
   a) Tuberculous meningitis
   b) Fat embolism
   c) Cardiac edema
   d) Broncho pneumonia
   e) Endogenous pigments.

3. Write short notes on any Four : (4X5 = 20)
   a) Carbuncle
   b) Magaloblastic anemia
   c) Types of infarction
   d) Squamous cell carcinoma
   e) Lepromatous leprosy.

SECTION—B
(MICROBIOLOGY)

4. a) Define and classify immunity. (10)
   b) Compare active and passive immunity.

5. Write briefly on any Four : (4X5 = 20)
   a) Robert Koch
   b) Rabies prophylaxis
   c) Seitz filter
   d) IgG
   e) Autoclave

6. Write short notes on any Four : (4X5 = 20)
   a) Pyogenic cocci
   b) Exotoxins
   c) Mantoux test
   d) Candida albicans
   e) Atopy

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[SM 950]　　　　　　　　　**Sub. Code : 5313**

BACHELOR OF OCCUPATIONAL THERAPY (BOT) DEGREE EXAMINATION.

Third Semester

(Modified Regulations)

Paper III — PATHOLOGY AND MICROBIOLOGY

Time : One and a half hours　　　　　Maximum : 50 marks

Answer ALL questions.

1.　Describe the aetiology, classification and pathogenesis of shock.　　　　　　　　　　　　　　(10)

2.　Enumerate the various causes of food poisoning. Describe the laboratory tests to identify them.　　　(10)

3.　Write short notes on any SIX :　　　(6 × 5 = 30)

　(a)　Carriers.

　(b)　Gangrene.

　(c)　Healing of fracture.

　(d)　Passive immunity.

　(e)　Primary complex.

　(f)　Giant cells.

　(g)　Prophylaxis against Tetanus.

　(h)　Gram's staining.

[SG 950]

BACHELOR OF OCCUPATIONAL THERAPY (BOT) DEGREE EXAMINATION.

Third Semester

(Modified Regulations)

Paper III — PATHOLOGY AND MICROBIOLOGY

Time : One and a half hours   Maximum : 50 marks

Answer Section A and B in separate answer books.

SECTION A

PATHOLOGY

1. Write any ONE of the following :   (1 × 10 = 10)

   (a) Describe in detail Thrombosis.

   (b) Discuss in detail Typhoid fever.

2. Write short notes on any THREE of the following :

   (3 × 5 = 15)

   (a) Bronchiectasis

   (b) Volkman's Ischaemic contracture

   :) Complications of cathetrization

   1) Spread of tumors

   ၁) Scurvy.

SECTION B

MICROBIOLOGY

Write briefly on any ONE of the following.

Each question carries 10 marks.

3. Describe the structure of bacteria.

4. Classify hypersensitivity. Add a note on any one type of hypersensitivity.   (1 × 10 = 10)

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

   (a) Carrier

   (b) Flagella

   (c) HIV

   (d) Antiseptics.

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APRIL - 2000

[KB 943]   Sub. Code : 5713

B.O.T. DEGREE EXAMINATION.

Third Semester

(Modified Regulations)

Paper III — PATHOLOGY AND MICROBIOLOGY

Time : One and a half hours   Maximum : 50 marks

Answer ALL questions.

1.   Describe the pathogenesis of inflammation and repair.   (10)

2.   Write briefly Etiology and Diagnosis of Cholera.   (10)

3.   Write short notes on any SIX :   6 × 5 = 30)

    (a) Passive immunity

    (b) Grams staining

    (c) ELISA TEST

    (d) Carriers

    (e) Rabies prophylaxis

    (f) Cultivation of viruses

    (g) Food poisoning

    (h) Grant cells.

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[KB 945] Sub. Code : 5811

BACHELOR OF OCCUPATIONAL THERAPY (B.O.T.)
DEGREE EXAMINATION.

Third Semester

(New Modified Regulations)

Paper III — PATHOLOGY/MICROBIOLOGY

Time : One and a half hours Maximum : 50 marks

Answer Sections A and B in separate answer books.

SECTION A

(PATHOLOGY)

1. Answer any ONE of the following : (10)

    (a) Pathogenesis of Lobar pneumonia

    (b) Pathogenesis of Rheumatic heart disease.

2. Answer THREE of the following : (3 × 5 = 15)

    (a) Fatty changes in liver

    (b) Fate of Thrombus

    (c) Scurvy

    (d) Pyogenic osteomyelitis

    (e) Lipoma.

SECTION B

(MICROBIOLOGY)

3. Answer any ONE of the following : (10)

    (a) Define sterilisation. Describe methods n heat sterilisation.

    (b) Define Hypersensitivity. Describe Type I hypersensitivity reactions.

4. Answer THREE of the following : (3 × 5 = 15)

    (a) Dark ground microscope

    (b) Widal Test

    (c) Polio vaccine

    (d) Robertson cooked meat medium

    (e) Bacterial spores.

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2 [KB 945]

OCTOBER - 2000

[KC 945] Sub. Code : 5811

BACHELOR OF OCCUPATIONAL THERAPY (B.O.T.)
DEGREE EXAMINATION.

Third Semester

(New Modified Regulations)

Paper III — PATHOLOGY/MICROBIOLOGY

Time : One and a half hours   Maximum : 50 marks

Answer Sections A and B in separate answer books.

SECTION A

(PATHOLOGY)

1.   Answer any ONE of the following :   (10)

(a) Define neoplasia and write about spread of malignant tumors.

(b) What is embolism? Write about the different types of embolism.

2.   Answer any THREE of the following :   (3 × 5 = 15)

(a) Rheumatoid arthritis

(b) Granulomatous inflammation

(c) Lobar pneumonia

(d) Meningitis

(e) Iron deficiency anaemia.

SECTION B

(MICROBIOLOGY)

3.   Write briefly on any ONE of the following :

(a) Define and classify Sterilization. Describe the methods of Sterilization by moist heat.   (2 + 3 + 5 = 10)

Or

(b) Enumerate the bacteria causing urinary tract infection. Describe the laboratory diagnosis of any one of them. Add a note on significant bacteriuria.   (3 + 4 + 3 = 10)

4.   Write notes on any THREE :   (3 × 5 = 15)

(a) Classification of bacteria

(b) Prophylaxis of Rabies

(c) Candidiasis

(d) Anaphylaxis.

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2   **[KC 945]**