



51212

Second B.P.Th. (2012) Examination, Summer 2014
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks = 50

SECTION – B & SECTION – C

- Instructions :**
- 1) Use *blue/black* ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the *right* indicates full marks.
 - 5) Draw diagrams *wherever* necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question Paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any Question Paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all Sections.

SECTION – B
Pathology

(30 Marks)

2. Answer the following (any five out of six) : (5x3=15)
- a) Define atrophy. Mention types of atrophy with examples of each.
 - b) Describe gross and microscopic features of Alcoholic cirrhosis. Mention its complications.
 - c) Classify vitamins. Describe skeletal changes seen in Rickets.
 - d) Describe delayed hypersensitivity reaction with examples.
 - e) Write a note on Duchenne muscular dystrophy.
 - f) Define granuloma. Describe constituents of a tuberculous granuloma.
3. Answer the following (any three out of four) : (3x5=15)
- a) Define Neoplasia. Describe mechanism of viral carcinogenesis.
 - b) Enumerate causes of Myocardial infarction. Describe gross and microscopic features of myocardial infarction with duration of time.
 - c) Describe Rheumatoid arthritis.
 - d) Discuss pathogenic mechanisms of Oedema.

SECTION 5
QUESTIONS

Answer the following in any form you wish:

- a) Enumerate the organisms causing, list the type, and the level of infection, symptoms of Mycobacterium tuberculosis.
- b) Classify culture media. Describe Streptococcus pneumoniae.
- c) Define and classify hypersensitivity reactions. Give an example of a hypersensitivity reaction.
- d) Define sterilization. Enumerate the methods of sterilization.
- e) Enumerate organisms causing, list the level, and the disease, Septicemia.



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Second B.P.Th. (2012) Examination, Summer 2015
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

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 - 3) **All questions are compulsory.**
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 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all Sections.

SECTION – A

(50 Marks)

(Pathology)

1. Short answer question (any five out of six) : (5x7=35)
 - a) Chronic Peptic Ulcer.
 - b) Describe briefly Ghons Complex. Mention the complications.
 - c) Vitamin A deficiency.
 - d) Describe briefly Modes of Spread of Tumor.
 - e) Virchows triad of Thrombogenesis.
 - f) Lepromatous leprosy.
2. Long answer question (any one out of two) : (1x15=15)
 - a) Classify Anaemia. Enumerate investigations to diagnose Iron deficiency anaemia.
 - b) Enumerate different types of Pneumonia. Describe etiopathogenesis, gross and microscopic features of lobar pneumonia in detail.

Library

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SECTION - B
(Microbiology)

(30 Marks)

(3x5=15)

Total

3. Short answer question (any three out of four) :

- a) Write a note on Autoimmunity.
- b) Discuss laboratory diagnosis of Dermatophytosis.
- c) Hydatid cyst.
- d) Discuss pathogenesis and laboratory diagnosis of Hepatitis B infection.

4. Long answer question (any one out of two) :

(1x15=15)

- a) Enumerate causative agents of sexually transmitted diseases and discuss laboratory diagnosis of syphilis.
- b) Define sterilization and disinfection. Classify and enumerate methods of sterilization. Write a note on Autoclave.

Second B.P.Th. (2012) Examination, Summer 2016
PATHOLOGY & MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

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 - 7) Use a common answerbook for all sections.

SECTION – A
 (Pathology)

(50 Marks)

1. Short answer question (any five out of six) : (5x7=35)
 - a) Define necrosis. Describe types of necrosis with examples of each.
 - b) Define and classify anaemia. Describe laboratory investigations of megaloblastic anaemia.
 - c) Write a note on myasthenia gravis.
 - d) Describe aetiopathogenesis and pathology of Rheumatoid Arthritis.
 - e) Describe fracture healing. Add a note on complications of fracture healing.
 - f) Define meningitis. Write organisms causing meningitis. Describe CSF findings in Pyogenic and Tuberculous meningitis.
2. Long answer question (any one out of two) : (1x15=15)
 - a) Define thrombosis. Describe aetiopathogenesis and morphology of thrombus. Add a note on its complications.
 - b) Define neoplasia. Write differences between benign and malignant tumors. Add a note on routes of spread of tumors.

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SECTION - B

(Microbiology)

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(30 M)

3. Short answer question (any three out of four) :

- a) Write a note on Universal Safety Precautions (USP).
- b) Define Precipitation. Give suitable examples and applications of any two precipitation tests in Microbiology.
- c) Write Laboratory diagnosis of Hepatitis B virus.
- d) Classify culture media. Define selective media with suitable examples.

(3x10)

4. Long answer question (any one out of two) :

- a) Enumerate Plasmodium species causing malaria in humans. Mention the mode of transmission and write in brief on the life cycle of Plasmodium vivax. Describe the laboratory diagnosis of malaria.
- b) Define sterilization and disinfection. Classify moist heat sterilization techniques. Describe the principle, working and use of an autoclave.

(1x10)

(10)

(10)

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Second B.P.Th. (2012) Examination, Summer 2017
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A and SECTION – B

- Instructions:**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question Paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for **all** Sections.

SECTION – A (50 Marks)
(Pathology)

1. Short answer question (any five out of six) :

(5×7=35)

~~a)~~ Write on Scurvy.

~~b)~~ Describe etiology, pathogenesis and fate of thrombosis.

~~c)~~ Reversible injury.

~~d)~~ Exogenous pigments. Define Neoplasia, Benign and Malignant.

~~e)~~ Cellular events in acute inflammation.

~~f)~~ Free radicals and cell injury.

2. Long answer question (any one out of two) :

(1×15=15)

~~a)~~ Define repair. Mention factors affecting wound healing. Describe healing of bone fracture.

b) Enumerate hypersensitivity reactions. Write pathology of type IV hypersensitivity reaction with examples.

P.T.O.



SECTION – B (30 Marks)
(Microbiology)

3. Short answer question (any three out of four) : (3×5=15)

- a) Write differences between the Innate Immunity and Acquired Immunity.
- b) Define Sterilization. Write the principle, working and control of Autoclave.
- c) Write a note on Candidiasis.
- d) Cultivation of Viruses.

4. Long answer question (any one out of two) : (1×15=15)

- a) Classify Mycobacteria. Write in detail about the Pathogenesis and Laboratory diagnosis of Pulmonary tuberculosis.
- b) Enumerate blood parasites. Write about the life cycle, pathogenesis and laboratory diagnosis of Malarial parasite.



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Second B.P.Th. (2012) Examination, Summer 2018
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A+ B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

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- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to **resort to unfair** means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) **Use** a common answerbook for **all** Sections.

SECTION "A" (50 Marks)
(Pathology)

1. Short answer question (any five out of six) :
- a) Write in short about Duchenne's Muscular dystrophy.
 - b) Write in short about Osteoarthritis.
 - c) Enumerate causes of Atrophy.
 - d) Define Apoptosis. Write in short about examples of Apoptosis.
 - e) Give a brief note on GHON'S complex.
 - f) What is amyloidosis. Enumerate special stains for amyloidosis.

(5x7=35)

P.T.O.

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(1×15=15)

2. Long answer question (any one out of two) :

- a) Define edema. Discuss etiopathogenesis of edema. Give differences between transudate and exudate.
- b) Describe etiopathogenesis, gross features and microscopic changes of acute Myocardial Infarction.

SECTION "B" (30 Marks)

(Microbiology)

(3×5=15)

3. Short answer question (any three out of four) :

- a) Opportunistic fungal infections.
- b) Laboratory diagnosis of Malarial infection.
- c) Complement fixation test.
- d) Laboratory diagnosis of Gas gangrene.

(1×15=15)

4. Long answer question (any one out of two) :

- a) Enumerate the organisms causing diarrhea. Write laboratory diagnosis of Vibrio cholera.
- b) Draw a labeled diagram of Human Immunodeficiency Virus. Define window period and describe Laboratory diagnosis of Human Immunodeficiency Virus.

Total Duration : Section A + B = 3 Hours

PATHOLOGY & MICROBIOLOGY

Section - A & Section - B

Total Marks : 80

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Section "A" (50 Marks)
(Pathology)

1. Short answer question (any five out of six) : (5x7=35)
 - a) Mention the factors which affect wound healing.
 - b) Describe briefly Duchennes muscular dystrophy.
 - c) What is carcinogenesis? Enumerate chemical carcinogens.
 - d) Describe the pathology and clinical effects of rickets.
 - e) Describe briefly etiology of Peptic ulcer.
 - f) Describe briefly Lobar pneumonia.
2. Long answer question (any one out of two) : (1x15=15)
 - a) Describe the clinical presentation, pathological features and complications of Rheumatoid arthritis.
 - b) Define inflammation. Describe the vascular events in acute inflammation.

Section "B" (30 Marks)
(Microbiology)

3. Short answer question (any three out of four) : (3x5=15)
 - a) Write the short note on Bacterial Capsule.
 - b) Write a note on Anaphylaxis.
 - c) Write a note on Candidiasis.
 - d) Describe the laboratory diagnosis of tuberculosis.
- Long answer question (any one out of two) : (1x15=15)
 - a) Define Sterilization, Disinfection & Antisepsis. (3) Enlist the different methods of Sterilization. (3) Describe the principle, working and uses of Autoclave. (8) Mention the sterilization control used for autoclave. (1)
 - b) Define Hospital Acquired Infection (HAI) (2). Describe the details of Risk factors associated with Hospital Acquired Infection (5). Describe in detail about the prevention and control measures of HAI (8).



Second B.P.T.H. (2012) Examination, Winter 2016
PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 8

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SECTION – A (50 Marks)

(Pathology)

1. Short answer question (any five out of six) : (5×7=35)
 - a) Mention different types of necrosis with suitable examples.
 - b) Define repair. Describe healing by primary intention.
 - c) Write in short laboratory diagnosis of iron deficiency anaemia.
 - d) Describe clinical features and pathology of rheumatoid arthritis.
 - e) Mention classical features of scurvy.
 - f) Mention various bone tumors and write in brief about osteogenic sarcoma.

2. Long answer question (any one out of two) : (1×15=15)
 - a) Define thrombosis. Write a note on pathogenesis and complications of a thrombus.
 - b) Discuss clinical features and pathology of various congenital myopathies.



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**Second B.P.T.H. (2012) Examination, Winter 2017
PATHOLOGY AND MICROBIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION A & SECTION – B

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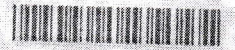
SECTION – A (50 Marks)

(PATHOLOGY)

1. Short answer question (any five out of six) : (5×7=35)
 - a) Define oedema. Differentiate between transudate and exudate.
 - b) Write a short note on Rickets.
 - c) Describe the modes of spread of a malignant neoplasm.
 - d) Define pneumoconiosis. Write a brief note on Asbestosis.
 - e) Write in short predisposing factors and complications of acute myocardial infarction.
 - f) Describe the types of necrosis with suitable examples.

2. Long answer question (any one out of two) : (1×15=15)
 - a) What is inflammation ? Discuss the vascular and cellular events in acute inflammation.
 - b) Classify muscular disorders. Discuss muscular dystrophies in detail.

P.T.O.



SECTION – B (30 Marks)
(MICROBIOLOGY)

3. Short answer question (any three out of four) : (3×5=15)
- Define serological reactions. Enlist the various types of serological reactions. Discuss Agglutination reaction and its application.
 - Enumerate the causative agents of Sexually Transmitted Diseases (STD). Write the serological diagnosis of Syphilis.
 - Enumerate the superficial fungal infections. Discuss the laboratory diagnosis of Dermatophytosis.
 - Write the difference between *T. Saginata* and *T. soleum*.
4. Long answer question (any one out of two) : (1×15=15)
- Define Bio-Medical Waste(BMW). 1
Name the various categories of BMW according to BMW (Disposal and Management Rules) 1998. 5
Mention the colour codes used for various categories. 4
Describe the different modes of treatment used to treat different categories of waste. 5
 - Define window period. 2
Write the various modes of transmission of HIV infection. 3
Discuss the laboratory diagnosis of HIV infection. 10