

51212



SECOND BPTH (2012) Examination, Summer (Phase - III All
Other Remaining UG/PG Courses) - 2020
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

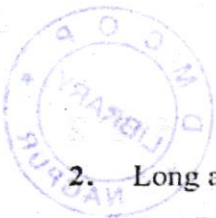
- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates 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" SAQ (50 Marks)
(Pathology)

1. Short answer question (any five out of six) : [5 × 7 = 35]
- a) Describe the clinical features and pathology of congenital myopathies.
 - 5 b) Define atherosclerosis. Describe in detail the risk factors and effects of atherosclerosis.
 - 5 c) Define necrosis. Describe the types of necrosis with examples.
 - 3 d) Describe the clinical features and Lab. diagnosis of Iron deficiency anemia.
 - 5 e) Describe healing by primary intension. mention factors affecting wound healing.
 - 4 f) Mention types of arthritis. Describe briefly osteoarthritis.

N - 250

P.T.O



51212
[1 × 15 = 15]

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

- a) Define inflammation. Describe the vascular & cellular events in acute inflammation. Mention the differences between transudate & exudate.
- b) Define neoplasia. Describe the modes of spread of malignant tumors.

SECTION - "B" LAQ (30 Marks)
(Microbiology)

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

[3 × 5 = 15]

- a) Cultivation of viruses.
- b) Standard tests for Syphilis.
- c) Pathogenicity of *Candida albicans*.
- d) Complications of *falciparum* Malaria.

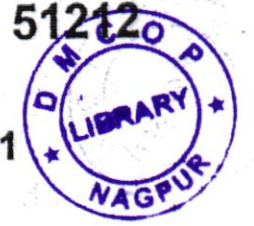
4. Long answer questions (any one out of two) :

[1 × 15 = 15]

- a) Define the terms Sterilization and Disinfection. Enumerate the Physical methods of Sterilization. Describe in detail the Principle and functioning of an Autoclave.
- b) Enumerate the types of antigen-antibody reactions. Describe the principle, mechanism and applications of the Precipitation reactions.



[Total No. of Pages : 2



Second B.P.T.H. (2012) Examination, Summer - 2021
PATHOLOGY & MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 80

- 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 answerbook for all Sections.

SECTION - A (50 Marks)
(Pathology)

1. Short answer question (**any five** out of six) : [5 × 7 = 35]
 - a) Discuss in brief the etiopathogenesis and the morphological features of benign peptic ulcer disease.
 - b) Discuss the causes and complications of vitamin D deficiency.
 - c) Define neoplasia. Enlist the differences between benign and malignant tumors.
 - d) Briefly discuss the etiopathogenesis and pathological features of rheumatic heart disease.
 - e) Define meningitis. Enumerate the various organisms causing meningitis. Mention the CSF findings in tuberculous meningitis.
 - f) Describe briefly primary pulmonary tuberculosis.

2. Long answer question (**any one** out of two) : [1 × 15 = 15]
 - a) Define thrombosis. Describe aetiopathogenesis and pathology of thrombosis. Add a note on its complications.
 - b) Define and classify osteomyelitis. Describe aetiopathogenesis, pathological features and complications of pyogenic osteomyelitis.

51212

SECTION - B (30 Marks)

(Microbiology)

3. Short answer question (**any three** out of four) : [3 × 5 = 15]
- a) Mention the differences immediate & delayed hypersensitivity.
 - b) Write a note on autoclave.
 - c) Describe briefly laboratory diagnosis of Typhoid.
 - d) Laboratory diagnosis of HIV infection.
4. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Enumerate the organisms causing sexually transmitted diseases. Describe the laboratory diagnosis of syphilis.
 - b) Enumerate the malarial parasites. Describe the laboratory diagnosis of falciparum malaria.



[Total No. of Pages : 2



Second B.P.TH. (2012) Examination, (Phase - II) Summer - 2022
PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 80

- 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) Define necrosis. Give types of necrosis with suitable examples
 - b) Distinguish between benign and malignant neoplasm
 - c) Define amyloidosis. Enumerate causes of amyloidosis.
 - d) Write a short note on Myasthenia gravis
 - e) Write a short note on Gout
 - f) Describe the gross and microscopic appearance of a benign peptic ulcer.

2. Long answer question (any one out of Two) [1×15=15]
 - a) Describe healing of a fracture. Enumerate factors that affect fracture healing.
 - b) Define thrombosis. Discuss formation and fate of a thrombus.

SECTION "B" (30 Marks)**(Microbiology)**

3. Short answer question (any three out of four): [3×5=15]
- a) Mention the differences between Active and Passive immunity
 - b) Write a short note on Biomedical waste management.
 - c) Write a short note on Candidiasis.
 - d) Describe the laboratory diagnosis of *Toxoplasma gondii*
4. Long answer question (any one out of two): [1×15=15]
- a) Enumerate four bacteria causing gastrointestinal tract infections. Discuss the pathogenesis and laboratory diagnosis of enteric fever.
 - b) Mention the modes of transmission of HIV(4) Define Window period. (2). Describe the laboratory diagnosis of HIV(9)



[Total No. of Pages : 2

51212



Second B.P.T.H. (2012) Examination, Summer - 2023 (Phase - III)
PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 80

- Instructions :**
- 1) Use **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) : [5 × 7 = 35]
- a) Distinguish between necrosis and apoptosis
 - b) Briefly describe the hypersensitivity reactions
 - c) Define cirrhosis. Give the gross and microscopic appearance of micro nodular cirrhosis.
 - d) Write a short note on Myasthenia gravis
 - e) Write a short note on Rickets
 - f) Enumerate predisposing factors and complications of atherosclerosis.

51212

[1 × 15 = 15]

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

- a) Define acute inflammation. Discuss the vascular and cellular events in acute inflammation.
- b) Define and classify anemia. Discuss laboratory diagnosis of Iron deficiency anemia.

Section "B" (30 Marks)

(Microbiology)

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

[3 × 5 = 15]

- a) Bacterial capsule
- b) Pathogenesis of Rabies
- c) Opportunistic fungal infections
- d) Anaphylaxis

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

[1 × 15 = 15]

- a) Define sterilization and disinfection. Classify methods of sterilization. Discuss in details an autoclave.
- b) Discuss morphology, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.

~~~~~