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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.

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2. Long answer question (**any one** out of two) : [1 × 15 = 15]
- 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.

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Second B.P.TH. (2012) Examination, Winter - 2023 (Phase - II)
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) Define degeneration. Give types of degeneration with suitable examples.
 - b) Define gangrene. Differentiate between dry and wet gangrene
 - c) Describe the gross and microscopic appearance of lung in lobar pneumonia.
 - d) Write a short note on Scurvy.
 - e) Enumerate the causes and risk factors of stroke (cerebrovascular accident).
 - f) Write a short note on Duchenne Muscular dystrophy.

2. Long answer question (**any one** out of two) : **[1 × 15 = 15]**
 - a) Define repair. Describe wound healing by primary union. Enumerate factors that affect wound healing.
 - b) Enumerate causes of arthritis. Discuss etiopathogenesis and pathology of Osteoarthritis.

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

3. Short answer question (**any three** out of four) : [3 × 5 = 15]
- a) Laboratory diagnosis of viral infection
 - b) Universal safety precaution.
 - c) Innate Immunity.
 - d) Laboratory diagnosis of Giardiasis infection.
4. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Classify mycobacteria. Discuss laboratory diagnosis of pulmonary tuberculosis.
 - b) Describe the morphology of *Candida albicans*. Describe the laboratory diagnosis of Candidosis.

