

Second B.H.M.S. (2015) Examination, (Phase - III) Winter - 2024
PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - I

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

SECTION - B

- 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 Section B.

2. Short Answer Questions (Solve any 4 Out of 6) : [4×5=20]

- a) Define inflammation and enumerate vascular and sellular changes in acute inflammation.
- b) Discuss about Thrombo-embolism.
- c) Define calcification and types with 4 suitable examples of each.
- d) Utility of peripheral blood smear examination.
- e) Define Causes and laboratory investigations for Hematuria.
- f) Enlist in short lab investigations for viral hepatitis.

3. Short Answer Questions (Solve any 4 Out of 6) : [4×5=20]

- a) Healing of Simple fractures.
- b) Nephrotic syndrome in detail.
- c) Aschoff Nodule.
- d) Lepromatous leprosy.
- e) Note on Cross matching and enlist complication of blood transfusion.
- f) Define Teratoma and explain in short about dermoid cyst of overy.

P.T.O.

4. Long Answer Questions (Solve any 2 Out of 4) : [2×10=20]

- a) Define Coagulative necrosis and explain morphology and lab investigation myocardial infarct in detail.
- b) Explain the classification and Aetiopathogenesis of diabetes mellitus.
- c) Define Neoplasm with difference between Bening and malignant tumor in detail.
- d) Discuss the agglutination reactions in detail.

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Long Answer Questions (Any one from 5, 6 & 7) : [1×20=20] ○

- 5. Define and classification pathogenesis in detail of cirrhosis of liver write in detail about alcoholic liver cirrhosis.
- 6. Define Embolism. Describe types of Embolism. Explain sources, risk factors, pathogenesis and effects of pulmonary embolism.
- 7. Define immunity. Write difference between active and passive immunity. Write a detailed note on natural & artificial active immunity.



Second B.H.M.S. (2015) Examination, (Phase - III) Winter - 2024
PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - II

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

SECTION - B

- Instructions :**
- 1) Use **black** ball point pen only.
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 - 7) **Use** a common answerbook for Section B.

2. Short Answer Questions (any 4 out of 6) :

[4×5=20]

- a) Pathogenicity of Mycobacterium Tuberculosis.
- b) Pathogenicity of Wuchereria Bancrofti.
- c) Herpes Virus.
- d) Bacterial Spores.
- e) Life Cycle of Leishmania Donovanii.
- f) Amoebiasis.

3. Short Answer Questions (any 4 out of 6) :

[4×5=20]

- a) Casoni's Test.
- b) Mucormycosis.
- c) Hot Air Oven.
- d) Herd Immunity.
- e) Group characteristics of Cestodes.
- f) Routes of Infection.

P.T.O.

4. Long Answer Questions (any 2 out of 4) : [2×10=20]

- a) Discuss the Etiology, Clinical features and Lab diagnosis of Dengue.
- b) Morphology and Life-cycle of Enterobius Vermicularis.
- c) Define and Classify Infections. Describe Routes of Infections.
- d) Define Sterilization and Disinfection. Discuss Chemical Sterilization in detail.

Long Answer Questions (any one from Q.No. 5, 6 & 7) : [1×20=20]**5. Discuss Hepatitis B virus with respect to**

- a) Route of entry
- b) Pathogenesis
- c) Pathology
- d) Clinical features
- e) Lab investigations

6. Discuss Mycobacterium Tuberculosis with respect to

- a) Morphology
- b) Cultural characteristics
- c) * Pathogenicity
- d) Lab diagnosis

7. Discuss ascaris lumbricoides write about

- a) Morphology
- b) Life cycle
- c) Pathogenicity
- d) Laboratory diagnosis

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