

Second B.H.M.S. (New) Examination, (Phase - III) Summer - 2023  
PATHOLOGY & MICROBIOLOGY

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 **all** sections.

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

- a) Tuberculoid Leprosy
- b) Lab. diagnosis of Typhoid fever
- c) Giardiasis
- d) Hydatid cyst
- e) Fatty degeneration
- f) Atrophy

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

- a) Aschoff's body
- b) Squamous cell carcinoma
- c) Define miasm syphilis. Write 4 characteristic features of syphilitic miasm.
- d) Laboratory diagnosis of Microcytic Anaemia
- e) Ulcer of Syphilis
- f) Discuss the miasmatic diagnosis of a case of bronchial asthma.

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

a) Describe Gonorrhoea with respect to aetiopathogenesis, complications & laboratory diagnosis.

OR

b) Write in detail about the aetiopathogenesis and laboratory diagnosis of Filariasis.

c) Define Gangrene and write about aetiopathogenesis of each type with example.

OR

d) Define Hydronephrosis. Explain its aetiopathogenesis and complications.

**Long Answer Questions (Any one from Q. No. 5, 6 and 7): [1×20=20]**

5. Define Oedema and write about its type with aetiopathogenesis of each type with effects.

6. Define Immunity. Describe Cellular and Humoral Immunity in brief. Explain Type I Hypersensitivity reaction in detail.

7. Write in detail about the morphology of *E. histolytica* and pathogenesis of amoebiasis.



[Total No. of Pages : 2

DAB012015201-P-1

Second B.H.M.S. (2015) Examination, (Phase - III) Summer - 2023

PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - I (Paper-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.

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

- a) Theories of Carcinogenesis
- b) Bone Marrow Examination
- c) Fracture Healing
- d) Laboratory Investigations in Pulmonary TB
- e) Evolution of a tubercle
- f) Fatty Liver

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

- a) Laboratory Diagnosis of Diabetes Mellitus.
- b) Benign Enlargement of Prostate.
- c) Sago Spleen.
- d) Pathology of Acute Myocardial Infarction.
- e) Lobar Pneumonia.
- f) Peripheral blood smear findings in nutritional anemias.

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

- a) Discuss Hepatitis A and B with respect to Etiopathogenesis and lab investigations.

OR

- b) Describe the Etiopathogenesis, Morphology and Pathologic features of acute post streptococcal glomerulonephritis.

- c) Define and Classify Immunity. Add a note on Herd immunity.

OR

- d) Define Gangrene. Differentiate between dry and wet Gangrene. Add a note on Gas Gangrene.

**Long Answer Questions (Any one from Q. No. 5, 6 and 7): [1×20=20]**

- 5. Define Anemias. Classify Anemias and describe the clinical features and lab investigations in Anemias. Add a note on Sickle cell anemias.

- 6. Define oedema. Discuss Etiopathogenesis of oedema. Add a note on cerebral and pulmonary oedema.

- 7. Define Shock and Classify. Discuss the Etiopathogenesis of Shock and Stages of Shock. Add a note on Cardiogenic Shock.



[Total No. of Pages : 2

DAB012015201-P-2

Second B.H.M.S. (2015) Examination, (Phase - III) Summer - 2023  
PATHOLOGY, BACTERIOLOGY & PARASITLOGY - II (Paper - II)

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 all sections.**

2. **Short Answer Questions (Solve any 4 out of 6).** **[4×5=20]**
- a) Cultural characteristics of Meningococci.
  - b) Life cycle of Taenia saginata.
  - c) Vericella zoster virus.
  - d) Type of stains.
  - e) Morphology of Giardia lamblia.
  - f) Pathogenesis of clostridium tetani.

3. **Short Answer Questions (Solve any 4 out of 6):** **[4×5=20]**
- a) Difference between Exotoxins & Endotoxins.
  - b) Stool examination of acute Bacillary dysentery.
  - c) Classification of parasites.
  - d) Chemical disinfectant.
  - e) Different routes of infection.
  - f) Candidiasis.

- 4. Long Answer Questions (Solve any 2 out of 4):** [2×10=20]
- a) Define sterilization & Disinfection. Explain physical methods of sterilization.
  - b) Describe Morphology & life cycle of *Wuchereria bancrofti*.
  - c) Define culture media. Describe in detail classification of special culture media.
  - d) Describe in detail the Morphology & Pathogenesis of Human Influenza virus.

**Long Answer Questions (Any one from Q. No. 5, 6 and 7).** [1×20=20]

5. Describe Morphology, Cultural characteristics, Pathogenicity & lab diagnosis of *Salmonella Typhi*.
6. Describe Morphological features, Route of transmission, Pathogenicity & Lab diagnosis of Human Immuno Deficiency Virus.
7. Describe Morphology, life cycle, Pathogenesis & lab diagnosis of *Entamoeba Histolytica*.

