

04211 A



**Second B.H.M.S. (2015) Examination, Winter 2017  
PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY – I**

Total Duration : 3 Hours

Total Marks : 100

- 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.

1. Write short answer (**any ten** out of fifteen) : **(10×2=20)**
- A) Define Hyperaemia and write its types.
  - B) Routes of infection.
  - C) Define Hyperplasia with examples.
  - D) Granuloma.
  - E) Define Leucopenia and Leucocytosis.
  - F) Physical carcinogens.
  - G) Antigen.
  - H) Megaloblastic anaemia.
    - I) Polycythamia.
  - J) 4 distinguishing features of pathology Crohn's disease.
  - K) Goitre.
  - L) Glossitis.
  - M) Causes of Acute Renal failure.
  - N) Definition and types of Cardiomyopathy.
  - O) Write names of COPD'S.



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2. Write short answer (**any four** out of six) : (4×5=20)
- a) Thrombosis.
  - b) Necrosis.
  - c) Write five differentiating features between Transudate and Exudate Fluids.
  - d) Hyaline Degeneration.
  - e) Laboratory diagnosis of Myocardial Infarction.
  - f) Lepromin test.

3. Write short answer (**any four** out of six) : (4×5=20)
- a) Acute Pyelonephritis.
  - b) Hepatitis.
  - c) Aetiopathogenesis of Emphysema.
  - d) Protein Energy Malnutrition.
  - e) Importance of bleeding time and clotting time.
  - f) Hemoglobinopathies.

4. Long answer question (**any two** out of four) : (2×10=20)
- a) Define and explain Hypersensitivity reactions.
  - b) Define Gangrene. Explain types of gangrene with examples.
  - c) Complications of Diabetes Mellitus.
  - d) Describe Pancreatitis. Write its types, aetiopathogenesis, pathological features and Lab diagnosis.

Long answer question (**any one** from Q. No. 5, 6 and 7)

5. Long answer question : (1×20=20)

Define Immunity. Describe Cell mediated and Humoral Immunity. Write a note on Secondary immunodeficiency disease.

6. Long answer question : (1×20=20)

Define Lobar Pneumonia. Write aetiology, pathologic changes and complications of Lobar Pneumonia.

7. Long answer question : (1×20=20)

Define and classify Shock. Write aetiopathogenesis and complications of shock. Write Morphologic features of Shock in Organs.

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04211 B

Second B.H.M.S. (2015) Examination, Winter 2017  
PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY – II

Total Duration : 3 Hours

Total Marks : 100

- 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.

Handwritten calculations and scribbles:

35  
40  
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75

28  
4  
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32

1. Write short answer (any ten out of fifteen) :

(10x2=20)

- A) Organs of locomotion in Bacteria. **2**
- B) 4 Gram positive Bacteria. **2**
- C) Morphology of Pneumococci.
- D) Give 4 toxins produced by Staphylococcus.
- E) Different culture media use for Vibrio Cholerae.
- F) Name 4 intestinal Parasite. **2**
- G) Host of Trypanosoma Cruzi.
- H) Name the Larval form of T.Saginata and T. Solium. **1**
- I) 4 Characteristics of Cestodes.
- J) NIH swab. **1**
- K) Name 4 Parasites in which examination of faeces is important. **1**
- L) Name 4 RNA Virus. **1**
- M) Name 2 viruses that produces Respiratory diseases. **1**
- N) Give structure of HIV Virus. **1**
- O) Give 4 classes of Fungi.

Handwritten numbers:

80  
019  
18  
3

Handwritten calculations and scribbles:

14

13  
14  
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27

29  
50  
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79

19  
25





2. Write short answer (any four out of six) :

(4x5=20)

- a) Pathology and Lab diagnosis of Mycobacterium Tuberculae. 2
- b) Cultural Characteristics of Meningococci.
- c) Enterobius vermicularis. 3
- d) Hydatid cyst. 1
- e) Dengue Virus. 1
- f) Streak Culture.

24  
14  
14  
44

3. Write short answer (any four out of six) :

(4x5=20)

- a) Widal Test 2
- b) Staining properties of Bacteria 1
- c) Charateristics of Protozoas
- d) Hospital Acquired infection 2
- e) Properties of Virus
- f) Candida albicans 2

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

(2x10=20)

- a) What is Sterilization ? Enumerate all the different types of sterilization with Physical and Chemical methods.
- b) Define Infection. Enumerate source and methods of transmission of infection.
- c) Morphology and life cycle of Ancylostoma Duodenale.
- d) Define virus and discuss etiopathogenesis of viral hepatitis along with lab investigation.

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Long answer question (any one from Q. No. 5, 6 and 7)

5. Long answer question :

(1x20=20)

Describe Morphology cultural characteristics, Pathogenesity and lab diagnosis of Streptococcus pyogenes.

6. Long answer question :

(1x20=20)

Describe morphology, life cycle, Pathogenesis and lab diagnosis of Entamoeba Histolytica.

7. Long answer question :

(1x20=20)

Define culture media. Describe different types of cultural media and its use.