

**Second BHMS (2015) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019  
PATHOLOGY, BACTERIOLOGY & 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) Give 4 causes of fatty liver.
- b) Define necrosis & enumerate its types.
- c) Write 4 differentiating features between nephrotic & nephritic oedema.
- d) Name 4 diseases in which chronic granulomatous inflammation is seen.
- e) Give 2 possible causes of CVC liver.
- f) Define 'anaplasia'.
- g) Give 2 functions of T cells.
- h) Name 4 conditions in which ESR is raised.
- i) Give any 4 causes of lymphocytosis.
- j) Give morphological classification of cirrhosis.
- k) Give 4 differentiating features between duodenal & gastric ulcers.
- l) Define hypothyroidism.
- m) Write 2 differentiating features in CSF in acute pyogenic & viral meningitis.
- n) Define angina pectoris.
- o) Name 4 aetiologic microbial agents for lobar pneumonia.

04211A

[4 × 5 = 20]

2. Write short answer (**any four** out of six) :
- Hypovolaemic shock
  - Define & classify amyloidosis.
  - Differentiate between dry & wet gangrene.
  - Hyaline degeneration
  - Unconjugated hyperbilirubinaemia
  - Fine Needle Aspiration Biopsy

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

[4 × 5 = 20]

- Laboratory diagnosis of acute myocardial infarction
- Risk factors for cholelithiasis
- squamous cell carcinoma
- Aetiopathogenesis of chronic bronchitis
- Liver function test
- Iron deficiency anaemia

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


[2 × 10 = 20]

- Explain the vascular & cellular changes in acute inflammation.
- Discuss the agglutination reactions in detail.
- Write in detail the difference between Crohn's disease & ulcerative colitis.
- Explain the classification & aetiopathogenesis of diabetes mellitus.

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

5. Define neoplasia. Explain the difference between benign & malignant neoplasm. Describe gross & microscopic features and aetiopathogenesis of renal adenocarcinoma. [1 × 20 = 20]
6. Define embolism. Describe types of embolism. Explain sources, risk factors, pathogenesis & effects of pulmonary embolism. [1 × 20 = 20]
7. Define immunity. Write difference between active immunity & passive immunity. Write a detailed note on natural & artificial active immunity. [1 × 20 = 20]

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**Second BHMS (2015) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019  
PATHOLOGY & BACTERIOLOGY & 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.

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

[10 × 2 = 20]

- a) Name four Gram negative bacilli.
- b) Name two culture media for *Corynebacterium diphtheriae*.
- c) Name types of Flagellar arrangement.
- d) Name three types of clostridia.
- e) Name four diseases caused by *E. coli*.
- f) Write down larval stage of *Taenia saginata* and *Taenia solium*.
- g) Name two parasites where portal of entry is skin.
- h) Name types of Malarial parasites.
- i) Write two diagnostic methods of *Schistosoma haematobium*.
- j) What is ASO titre and write two diseases in which it is raised.
- k) Name four parasites in which stool examination is diagnostic.
- l) Write the function of Capside.
- m) Name any four RNA viruses.
- n) Name two examples of Oncogenic virus.
- o) Write down four classes of fungi.

04211B

2. Write short answer (**any four** out of six) : [4 × 5 = 20]
- Morphology and pathogenicity of staphylococcus aureus.
  - Pathogenicity and lab diagnosis of Neisseria meningitidis.
  - Difference in stool between Amoebic and Bacillary dysentery.
  - Kala azar.
  - Varicella zoster virus.
  - Types of stains.
3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Widal test.
  - Different shapes of bacteria with examples.
  - Write different classes of parasites.
  - Methods of transmission of infections.
  - Pathogenesis and lab diagnosis of polio virus.
  - Negri bodies.
4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Define sterilization, write physical method of it and write a note on hot air oven.
  - Define culture media and write down types of culture media.
  - Describe pathogenicity of Influenza virus and lab diagnosis.
  - Describe morphology, life cycle, pathogenicity of *Giardia lamblia*.

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

5. Describe Pneumococcus under following: [1 × 20 = 20]
- Morphology.
  - Cultural characters.
  - Pathogenicity.
  - Lab diagnosis.
6. Describe Echinococcus granulosus under following: [1 × 20 = 20]
- Morphology.
  - Life cycle.
  - Pathogenicity.
  - Lab diagnosis.
7. Describe H.I.V. virus under following: [1 × 20 = 20]
- Structure.
  - Routes of entry.
  - Pathogenesis.
  - Lab diagnosis.

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**Second BHMS (New) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019  
PATHOLOGY AND MICROBIOLOGY**

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 Pitting Oedema
  - b) Cardinal signs of inflammation
  - c) Define Neoplasia
  - d) Define atherosclerosis
  - e) Differences between extrinsic and intrinsic asthma
  - f) Define Pneumonia
  - g) Significance of ESR
  - h) Morphological classification of Anemia
  - i) 4 gram positive bacteria
  - j) Define bacterial spore
  - k) Toxins of Streptococcus
  - l) Hydatid Cyst
  - m) NIH swab
  - n) Ectoparasite
  - o) Name DNA viruses

2. Write short answer (**any four** out of six) : [4 × 5 = 20]
- Pulmonary edema
  - Fatty liver
  - Grams staining
  - Bacterial capsule
  - Morphology of Entamoeba histolytica
  - Lab diagnosis of Malaria

3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Complications of Atherosclerosis
  - Hiatus hernia
  - Widal test
  - Megaloblastic anemia
  - Explain miasmatic background of Asthama
  - Negro bodies

4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Describe in detail the morphology and pathogenesis of E-coli
  - Describe in detail the morphology and pathogenesis of Staphylococcus
  - Describe the life cycle of Tania saginata
  - Discuss in detail the lab diagnosis of Kala azar

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

5. Define inflammation. Describe in detail the cellular and vascular events of inflammation. [1 × 20 = 20]
6. Define myocardial infraction. Discuss in detail the pathogenesis and lab diagnosis of MI [1 × 20 = 20]
7. Describe in detail the morphology, pathogenesis and lab diagnosis of clostridium tetani. [1 × 20 = 20]

