



**Second B.H.M.S. (2015) Examination, Winter 2018  
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 pathologic atrophy with examples. ✓
  - b) Define amyloidosis.
  - c) Enumerate the 5 cardinal signs of inflammation. ✓
  - d) Define 'hyperaemia' and 'congestion'.
  - e) Define metaplasia.
  - f) Give 4 differences between benign & malignant neoplasms.
  - g) Write 4 differences between active immunity & passive immunity.
  - h) Enumerate 2 metabolic changes in starvation.
  - i) Give 2 causes for eosinophilia.
  - j) Define Crohn's disease. ✓
  - k) Enumerate causes for predominantly unconjugated hyperbilirubinaemia.
  - l) Give 2 important causes for acute pancreatitis.
  - m) Enumerate 4 main types of urinary calculi.
  - n) Enumerate the major criteria in the modified Jones' criteria for the diagnosis of rheumatic fever.
  - o) Give 2 important causes for bronchogenic carcinoma.



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2. Write short answer (**any four** out of six) : (4×5=20)
- a) Caseous necrosis.
  - b) Deep vein thrombosis.
  - c) Chronic Venous Congestion of lung.
  - d) Granuloma.
  - e) Early diagnosis of cervical cancer.
  - f) Ketonuria.

3. Write short answer (**any four** out of six) : (4×5=20)
- a) Aetiopathogenesis of goitre.
  - b) Differentiate between benign & malignant gastric ~~ulcers~~ *Tumors*.
  - c) Risk factors of atherosclerosis
  - d) Differentiate between intrinsic & extrinsic asthma.
  - e) Enumerate the various elements examined in the bone marrow smear with their significance.
  - f) Morphological classification of anaemias.

4. Long answer question (**any two** out of four) : (2×10=20)
- a) Define healing. Discuss healing by second intention.
  - b) Write in short about primary & secondary lymphoid organs.
  - c) Enumerate the complications of diabetes mellitus.
  - d) Write in detail about the pathogenesis and gross & microscopic features of alcoholic liver cirrhosis.

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

5. Long answer question : (1×20=20)
- Define oedema. Describe mechanism behind pathogenesis of renal oedema. Explain the aetiopathogenesis of acute & chronic glomerulonephritis.

6. Long answer question : (1×20=20)
- Define Immunity. Describe cell mediated & humoral immunity, write a note on secondary immunodeficiency disease.

7. Long answer question : (1×20=20)
- Define infarction. What are the factors governing the development of an infarct ? Discuss the aetiopathogenesis and gross & microscopic features of myocardial infarct.



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Second B.H.M.S. (2015) Examination, Winter 2018  
PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY – II

Total Duration : 3 Hours

Total Marks : 100

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- 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 Koch's postulate.
  - B) Characters of gram negative bacterial cell wall, name two gram negative bacteria.
  - C) Enlist organisms causing sore throat.
  - D) Name bacteria which produces syphilis with its stages.
  - E) Give two examples of enrichment media.
  - F) Define and mention two zoonotic infections.
  - G) Define healthy carrier. Enumerate various types of carriers with examples.
  - H) What is protozoa ? Name some protozoa which are pathogenic to man.
  - I) Enlist lesion produce by Entamoeba Histolytica.
  - J) Enumerate Parasites that can be found Commonly in Stool of Human Being.
  - K) Name two rapid test for diagnosis of Cholera.
  - L) Enlist any four General Morphological characters of virus.
  - M) Mention any four laboratory investigation for viral diseases.
  - N) Name root of entry of all virus that cause hepatitis.
  - O) Name the fungus and its toxins appear on groundnut which produces liver damage.

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2. Write short answer (**any four** out of six) : (4×5=20)
- a) Pathogenesity and Morphology of streptococci.
  - b) Define endotoxin. Name toxin produced by CORNY BACTERIUM DIPHTHERIA.
  - c) Elephantitis.
  - d) Hydatid Cyst.
  - e) Explain laboratory investigations for Swine Flu.
  - f) Explain Chemical Disinfectants.

3. Write short answer (**any four** out of six) : (4×5=20)
- a) Widal Test.
  - b) Toxic shock syndrome.
  - c) General Laboratory investigations for parasitic infections.
  - d) Define infections. Discuss about different hospital infections.
  - e) Negri bodies.
  - f) Discuss about viral marphology and lesion produce by Mumps.

4. Long answer question (**any two** out of four) : (2×10=20)
- a) Define sterilization and discuss in short about different methods of sterilization add a note on principle of Autoclave.
  - b) Blood agar constituents, steps of preparations and uses.
  - c) Difference between Amoebic and Bacillary Dysentery.
  - d) Describe Morphology pathogenesis and laboratory investigations of Ancylostoma Deodenale.

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

5. Long answer question : (1×20=20)  
Describe Morphology, Cultural characteristics, Pathogenecity and Lab diagnosis of Mycobacterium Tuberculosis.
6. Long answer question : (1×20=20)  
Describe Morphological features, Route of transmission, Pathogenecity and Lab diagnosis of Human Immuno Deficiency Virus.
7. Long answer question : (1×20=20)  
Describe Morphology, Life cycle, Pathogenicity and Laboratory Diagnosis of Malarial Parasite. *Plasmodium vivax*.