



Second B.H.M.S. (New) Examination, Winter 2016
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) : (10x2=20)

- a) Fate of Necrosis.
 - b) Virchow's triad.
 - c) Define Shock.
 - d) Angina Pectoris.
 - e) Ghon's complex.
 - f) Causes of Ascitis.
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- g) Clinical significance of Haemoglobin.
 - h) Proteinuria.
 - i) Write four names of motile bacteria.
 - j) Types of Sterilization with example.
 - k) Morphology of Vibrio Cholerae.
 - l) Write species of Malarial parasite.
 - m) NIH swab.
 - n) Chyluria.
 - o) Oncogenic Virus.

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

(4×5=20)

- a). Hyperaemia.
- b) Define Oedema and Pathogenicity of it.
- c) Morphology and Pathogenicity of Staphylococcus.
- d) Gram Staining.
- e) Giardia Lamblia.
- f) Write pathogenicity of Entamoeba Histolytica.

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

(4×5=20)

- a) Ulcerative Colitis.
- b) Nephrotic Syndrome.
- c) Liver Function Test.
- d) Pathogenesis of treponema palladium and describe VDRL.
- e) Write sycotic changes of Bronchitis.
- f) Hepatitis A Virus.

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

(2×10=20)

- a) ~~Write morphology and lesions produced by Corynebacterium Diptherae:~~
- b) Write morphology, pathogenicity and lab diagnosis of Salmonella.
- c) Write life cycle and pathogenicity of Wuchereria bancrofti.
- d) Write life cycle and pathogenicity of Round worm.

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

5. Long answer question :

(1×20=20)

Write definition, properties, classification in detail of Amyloid Degeneration.

6. Long answer question :

(1×20=20)

Define Immunity. Write it's classification. Explain Hypersensitivity reaction.

7. Long answer question :

(1×20=20)

Write morphology, life cycle, pathogenicity, lab diagnosis of Leishmania Donovanii.