

**51212****Second B.P.T.H. (2012) Examination, Winter 2016
PATHOLOGY AND MICROBIOLOGY**

Total Duration : 3 Hours

Total Marks : 80

- 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.
 - 7) Use a common answerbook for **all** sections.

SECTION - A (50 Marks)
(Pathology)

1. Short answer question (**any five** out of six) : **(5x7=35)**
 - a) Mention different types of necrosis with suitable examples.
 - b) Define repair. Describe healing by primary intention.
 - c) Write in short laboratory diagnosis of iron deficiency anaemia.
 - d) Describe clinical features and pathology of rheumatoid arthritis.
 - e) Mention classical features of scurvy.
 - f) Mention various bone tumors and write in brief about osteogenic sarcoma.
2. Long answer question (**any one** out of two) : **(1x15=15)**
 - a) Define thrombosis. Write a note on pathogenesis and complications of a thrombus.
 - b) Discuss clinical features and pathology of various congenital myopathies.

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51212



SECTION — B (30 Marks)
(Microbiology)

3. Short answer question (**any three** out of four) : (3x5=15)
- a) Discuss types of innate immunity and the factors that affect them.
 - b) Write on Universal safety precautions.
 - c) Write on laboratory diagnosis of HIV.
 - d) Discuss Neurocysticercosis.
4. Long answer question (**any one** out of two) : (1x15=15)
- a) Discuss pathogenesis and laboratory diagnosis of Pulmonary tuberculosis.
 - b) Enumerate causative agents of superficial fungal infections and discuss the laboratory diagnosis of Dermatophytosis.
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