

**51212****Second B.P.T.H. (2012) Examination, Winter 2018
PATHOLOGY AND MICROBIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION — A and SECTION — B*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) Write a note on Myasthenia gravis.
- b) Enumerate causes of edema. Differentiate between transudate and exudate.
- c) Define neoplasia. Describe the modes of spread of a malignant neoplasm.
- d) Describe the pathology and complications of a benign peptic ulcer.
- e) Define degeneration. Describe any three types of degeneration with examples.
- f) Enumerate occupational lung diseases. Write a note on asbestosis.

2. Long answer question (any one out of two) (1x15=15)

- a) Discuss Muscular Dystrophies.
- b) Classify arthritis. Discuss the aetiopathogenesis, manifestations, lab investigations and complications of Rheumatoid arthritis.

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51212



SECTION — B (30 Marks)
(Microbiology)

3. Short answer question (**any three** out of four) : **(3x5=15)**
- a) Write a note on Candidiasis.
 - b) Write a note on Hospital acquired infections.
 - c) Write a note on Hydatid cyst. —
 - d) Write a note on VDRL test.
4. Long answer question (**any one** out of two) : **(1x15=15)**
- a) Mention the modes of transmission of **HIV**. 2
 - Define Window period. 1
 - Describe laboratory diagnosis of HIV. 10
 - Mention two opportunistic fungal pathogens. 2
 - b) Classify Clostridia. 2
 - Describe the morphology of Clostridium welchii along with a labelled diagram. 2
 - Describe the pathogenesis and laboratory diagnosis of Gas gangrene. 8
 - Write a note on Nagler's reaction. 3

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