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**Second B.P.T.H. (2012) Examination, Winter 2017
PATHOLOGY AND MICROBIOLOGY**

Total Duration Section A + B = 3 Hours

Total Marks: ,

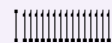
SECTION A & SECTION B

- 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 answer book for **all** Sections.

SECTION — A (50 Marks)**(PATHOLOGY)**

1. Short answer question (**any five** out of six) :
 - a) Define oedema. Differentiate between transudate and exudate.
 - b) Write a short note on Rickets.
 - c) Describe the modes of spread of a malignant neoplasm.
 - d) Define pneumoconiosis. Write a brief note on Asbestosis.
 - e) Write in short predisposing factors and complications of acute myocardial infarction.
 - f) Describe the types of necrosis with suitable examples.
2. Long answer question (**any one** out of two) : (1)
 - a) What is inflammation ? Discuss the vascular and cellular events in acute inflammation.
 - b) Classify muscular disorders. Discuss muscular dystrophies in detail.

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SECTION — B (30 Marks)
(MICROBIOLOGY)

 3. Short answer question **(any three out of four) :** (3x5= 15)

- a) Define serological reactions. Enlist the various types of serological reactions.
Discuss Agglutination reaction and its application.
- b) Enumerate the causative agents of Sexually Transmitted Diseases (STD). Write the serological diagnosis of Syphilis.
- c) Enumerate the superficial fungal infections. Discuss the laboratory diagnosis of Dermatophytosis.
- d) Write the difference between *T. Saginata* and *T. soleum*.

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

- a) Define Bio-Medical Waste (BMW).

Name the various categories of BMW according to BMW (Disposal and Management Rules) 1998.

Mention the colour codes used for various categories.

4

Describe the different modes of treatment used to treat different categories of waste.

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- b) Define window period.

Write the various modes of transmission of HIV infection.

Discuss the laboratory diagnosis of HIV infection.

10