PRELIMINARY EXAMINATION 2" YEAR BPTh 2018-19
PATHOLOGY & MICROBIOLOGY

Total Duration: Section A+B = 3 hours

D a t e : 1 2 / 0 4 / 2 0 1 9 **Total Marks: 80**

Instruction:

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 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 Section.**

SECTION — A SAQ (50 Marks)
(Pathology)

A. Short answer questions (Any five out of six) : **(5x7=35)**

1. Define neoplasia write the difference between benign and malignant tumors.
2. Define hypersensitivity reaction describe type Iv hypersensitivity reaction with example.
3. Enumerate the laboratory finding of iron deficiency anemia.
4. Short note on COPD.
5. Short note on grave disease.
6. Describe vitamin E deficiency.

B. Long answer question (Any one out of two) **(1x15=15)**

1. Define pneumonia write the etiopathogenesis type gross and microscopic feature of pneumonia.
2. Define meningitis write organism causing meningitis. Describe CSF finding in pyogenic and tuberculous meningitis.

(Microbiology)

C. Short answer questions (Any three out of four) : (3x5=15)

1. Write short note on Bacterial Cell Wall. Draw and label Gram positive and Gram negative cell wall.
2. Define innate immunity. Classify innate immunity. Describe the mechanism of innate immunity.
3. Describe the laboratory diagnosis of Mycobacterium tuberculosis.
4. Write in brief the Morphology, Pathogenicity, and laboratory diagnosis of Candida albicans.

D. Long answer question (Any one out of two) (1x15=15)

1. Draw and label HIV (Human immunodeficiency virus). Describe the pathogenicity, Clinical features, and Laboratory diagnosis of HIV.
2. Define Sterilisation, Disinfection and Antisepsis. Enumerate principles, and specific use of Dry heat and moist heat sterilisation methods giving appropriate examples in Health care institution.

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