

VASANTPRABHA COLLEGE OF PHYSIOTHERAPY
Affiliated to MUHS

PRELIMES EXAMINATION 2nd YEAR BPTTh 2025
PATHOLOGY AND MICROBIOLOGY

Total Duration – 3hours

Date – 20/11/2025

Total Marks- 80

Section A (50 Marks)
(Pathology)

- 1. Short Answer Questions (Solve any 5 out of 6)** **[5 x 7 = 35]**
- a) Define necrosis. Describe types of necrosis with examples of each.
 - b) Write a note on myasthenia gravis.
 - c) Describe fracture healing. Add a note on complication of fracture healing.
 - d) Chronic Peptic Ulcer.
 - e) Vitamin A deficiency.
 - f) Define thrombosis. Enumerates components of Virchow's triad.
- 2. LONG Answer Questions (Solve any 1 out of 2)** **[1 x 15 =15]**
- a) Define neoplasia. Write difference between benign and malignant tumors. Add a note on routes of spread tumors.
 - b) Classify Anemia. Enumerates investigation to diagnosis iron deficiency anemia.

SECTION B LAQ (30 Marks)
(MICROBIOLOGY)

- 3. Short Answer Questions (Solve any 5 out of 6)** **[3 x 5 = 15]**
- a) Write note on Universal safety precautions (USP)
 - b) Hydatid cyst.
 - c) Discuss pathogenesis and laboratory diagnosis of Hepatitis B infection.
 - d) Write about cultivation of viruses.
 - e) Which organism causes syphilis? Write about VDRL test.
 - f) Write a note on autoimmunity .
- 4. LONG Answer Questions (Solve any 1 out of 2)** **[1 x 15 =15]**
- a) Enumerate causative agent of sexually transmitted disease and discuss laboratory diagnosis of syphilis.
 - b) Define sterilization and disinfection. Classify moist heat sterilization techniques. Describe the principle, working and uses of an autoclave.