

B.Sc. Semester - 5 (NEP-2020) Examination**Oct/Nov - 2025****MIC: Clinical Diagnostic Microbiology (Major-11)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Write a note on

- (1) ABO and Rh blood group system. (05)
- (2) Discuss in detail on haemostasis. (05)

OR

- (1) Procedure of blood transfusion. (05)
- (2) Describe on Hematopoiesis. (05)

Que.2 Write a note on

- (1) Hemagglutination. (05)
- (2) Fluorescent antibody technique. (05)

OR

- (1) Precipitin test in fluid. (05)
- (2) Antistreptolysin. (05)

Que.3 Write a note on

- (1) Immunoelectrophoresis. (05)
- (2) Identification of microbes by Molecular methods. (05)

OR

- (1) Radioimmunoassay. (05)
- (2) Rapid methods of identification. (05)

Que.4 Write a note on

- (1) Pathogenicity, diagnosis and treatment of Shigella. (05)
- (2) Cutaneous mycoses. (05)

OR

- (1) Pathogenicity of Vibrio and Clostridium. (05)
- (2) Diagnosis and treatment of infection caused by Mycobacterium. (05)

Que.5 Write a note on

- (1) Cross matching. (05)
- (2) Complement fixation test. (05)

OR

- (1) Detection of pathogen by PCR. (05)
- (2) Opportunistic fungi– Candida albicans. (05)
