

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/Back Exam – 2080 Mangsir/Poush

Program:	Certificate in Medical Lab. Tech.	Full Marks: 60
Year/Part:	2 nd Year (2019)	Pass Marks: 24
Subject:	Clinical Pathology	Time: 3 hrs

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A (Long Questions) [3×6=18]

Attempt any **THREE** questions.

1. Define pathology. Write about importance, scope and fields of pathology. [1+2+3]
2. Define infection. Write in detail about types of infection and causative organism of infection. [1+2+3]
3. What is neoplasia? Explain etiology of cancer. [1+5]
4. What is tumor markers? Describe the application and types of tumor markers. [1+2+3]

Group B (Short Questions) [8×3=24]

Attempt any **EIGHT** questions.

5. Differentiate between transudate and exudate. [3]
6. What is cell injury? Explain acquired causes of cell injury. [1+2]
7. Explain microscopic examination of urine. [3]
8. How do you perform semen analysis in the laboratory? [3]
9. Explain etiology, mode of infection and lab. diagnosis of tuberculosis. [3]
10. Write short note on hypersensitivity reaction. [3]
11. Explain routine examination of CSF. [3]
12. Define and classify necrosis. [1+2]
13. Define inflammation. Explain its types. [1+2]
14. Write the mode of infection and pathogenesis of malaria. [3]

Group C (Very Short Questions) [9×2=18]

Write short notes on: (any **NINE**)

15. Hypertrophy
16. Mutation
17. Hypoxia and Ischaemia

Cont.

18. Scrub Typhus
19. Oedema
20. Incubation Period
21. Composition of Normal Urine
22. Infectious Hepatitis
23. PCR
24. FNAC
25. Pleomorphism

Good Luck !