

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 Laboratory Tech. Full Marks: 40
Year/Part: 2nd Year (2019) Pass Marks: 16
Subject: Medical Parasitology Time: 1½ 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)

[2×6=12]

Attempt any TWO questions.

1. Describe the mode of infection, pathogenicity and lab diagnosis of *Plasmodium vivax*. [1+2.5+2.5]
2. How will you perform the routine examination of urine sample in lab? [6]
3. What is occult blood test? Write down the principle, procedure and interpretation of occult blood test by hemospot kit method. [1+2+2+1]

Group B (Short Questions)

[4×4=16]

Attempt any FOUR questions.

4. Differentiate between amoebic and bacillary dysentery. [4]
5. Describe the host parasite relationship with examples on each. [4]
6. Explain thick and thin smear with significance of each. [3+1]
7. What is stool concentration technique? Explain the principle and procedure of sedimentation technique. [1+1.5+1.5]
8. Describe the mode of infection, pathogenesis and lab diagnosis of *Fasciola hepatica*. [4]

Group C (Very Short Questions)

[6×2=12]

Write short notes on: (any SIX)

9. Lactose Intolerance
10. Congenital Toxoplasmosis
11. NIH Swab
12. Black Water Fever
13. Microfilaria
14. Hydatid Cyst
15. Clinical Manifestation of *Balantidium coli*

Good Luck !