

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

Regular/Back Exam – 2080 Mangsir/Poush

Program: Health All	Full Marks: 60
Year/Part: 1 st Year (2016)	Pass Marks: 24
Subject: Zoology	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'

[12×1=12]

Attempt any TWELVE questions.

1. Define herpetology.
2. Write two vestigial organs of human body.
3. Which organ is called 'voice box'?
4. Write the zoological name of hydatid worm.
5. What do you mean by ultrafiltration?
6. Who is the nearest ancestor of modern man?
7. Which pigment is responsible for yellow colour of urine?
8. Define serum vaccine.
9. What is buffer zone?
10. Define respiration.
11. What do you mean by scurvy?
12. Write the dental formula of adult human.
13. Mention the disease caused by *Wuchereria bancrofti*.
14. Who discovered first antibiotic in the world?
15. What is fertilization?

Group 'B'

[8×3=24]

Attempt any EIGHT questions.

16. What is ICZN? List the rules adopted by binomial system of nomenclature.
17. Define tissue. Differentiate between striated muscle and smooth muscle.
18. Describe briefly the process of protein digestion in human alimentary canal.

Cont.

19. Wild flora and fauna are threatening and in the verge of extinction. Describe your suggestions to protect them.
20. Draw neat and well labelled diagram of human heart. (Description is not required).
21. Define vaccine. Write down the application of antibiotics in human health.
22. Differentiate between poisonous and non-poisonous snake.
23. Define reflex action with suitable example.
24. Explain any two host-parasite interaction with example.

Group 'C'

[3×8=24]

Attempt any **THREE** questions.

25. Describe briefly the habit, habitat, life cycle, pathogenicity and porphyllaxis of *Giardia lamblia*. [8]
26. Define digestive system. Describe the chemistry of digestion in different organs of elementary canal. [1+7]
27. Explain the morphology, life cycle, pathogenicity and prevention of *Taenia solium*. [8]
28. Define organic evolution. Describe the Darwin's theory of evolution. Write down the drawbacks of Darwin's theory. [1+5+2]

Good Luck !