



Republic of the Philippines
Bicol University
POLANGUI CAMPUS
Polangui, Albay



MIDTERM EXAMINATION
MC 3 Microbiology and Parasitology
Second Semester
SY 2020-2021

Name: _____ Yr. and Block: _____ Date: _____

General Direction: Read the instructions carefully and give what each item asks.

Part II: Answer the following questions. Each item has two points.

21- 22. Why is it important to study microbiology?

23-24. Why healthcare professionals should practice aseptic techniques?

25-26. Why the Theory of Spontaneous Generation or Abiogenesis was disproved by scientists?

27-28. Why Koch's Postulates support the Germ Theory of Disease?

29-30. Differentiate cowpox from smallpox disease.

31-32. What will happen if you ingest *Helicobacter pylori*?

33-34. What will happen to tobacco plants if infected by tobacco mosaic virus?

35-36. What will happen if someone is infected by Chikungunya virus?

37-38. Explain latent virus infection.

39-40. If a person was already vaccinated with chickenpox vaccine, is it still possible to be infected by the chickenpox virus? Why?

41-42. Describe the three basic or general shapes of bacteria.

43-44. What should you do to avoid Epstein-Barr virus?

Part III: Given the data, compute the length of the specimen. Calibrate first the ocular micrometer using the stage micrometer. Show the complete solution.

Note: The length of stage micrometer is based from the total magnification of specimen.

45-49. (5 points for complete solution)

Given:

Eyepiece lens = 10x

Objective lens = 4x

In this stage micrometer, each division is measured 10 μm .

So, 1 division = 10 μm