

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation

'Pharmaceutical Chemistry' Semester - II
END TERM Examination, April, 2018

Subject: Microbiology

Time: 2 hrs

Date :25/04/2018

Maximum marks: 50

**Q.1 Answer any 9 questions. Each question carries 1 mark (9*1=9Marks)
(OBJECTIVE QUESTIONS)**

1. In Electron Microscope _____ is used?
a) Electron b) Proton c) Neutron d) None
2. _____ can be used a Disinfectant.
3. What is Microbiology?
4. Gram Negative Bacteria appear as pink. True/False
5. Why Microorganism can be seen by Microscope?
6. Which cells are most important in Immune system of our body?
a) White Blood cell b) Red Blood cell c) Both D) None of the above
7. _____ gave a 5 Kingdom Classification?
8. Define Antibiotic.
9. Milk is sterilized by
a) Boiling b) Pasteurization c) Drying d) None
10. Vitamin B12 produces in our body. True/False

**Q. 2 Answer any 5 questions. Each question carries 4 marks (5*4=20 Marks)
(SHORT QUESTIONS)**

1. List out different areas of Microbiology.
2. Bioassay of Vitamin B12.
3. Explain Clean room Class.
4. Explain various groups of Microorganisms.
5. Write down structure of the Antibody.

**Q.3 Answer any 3 questions. The question carries 07 marks (3*7=21 Marks)
(DESCRIPTIVE QUESTIONS)**

1. Write down difference between SEM and TEM in electron microscopy.
2. Classify the organism on the basis of temperature.
3. Write a note on Gram staining.
4. Explain Whitakers 5 kingdom Classification