

Hemchandracharya North Gujarat University, Patan  
Bachelor of Vocation

'Pharmaceutical Chemistry' Semester - IV

END TERM Examination, April, 2019

Subject: Microbiology (PC-412)

Time: 2 hrs

Date: 26/04/2019

Maximum marks: 50

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

1. What is full form of MHC-II?
2. Give importance of erythrosine as food preservatives?
3. Give definition of microbiological assay.
4. What is zone of inhibition and zone of exhibition?
5. Define validation process?
6. Who is father of microbiology?
7. What do you mean by "clean room"?
8. Give correct pair of following relative size of microbes: -  
A) Dust 10 nm      B) A + B  
C) Hair 50-70 nm      D) None of above
9. Polio virus is an enveloped virus (True/false).
10. What is tincture of I<sub>2</sub>?
11. Give two examples of photoautotrophs?

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

1. Brief note on cylinder plate method?
2. A) Preparation of agar plate.  
B) Application of antibiotic.
3. Short note gaseous sterilization.
4. Short note electron microscope.
5. Short note on bacteria and virus.
6. What is microbiology & explain different types of it ?

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

1. Give detail note on food preservative.
2. Explain in detail about the role of T- cell.
3. Explain Hot air oven.
4. Detail note on acidic and basic stains.
5. Detail note on A) Actinomyces B) Rickettsia