

Pramukh Swami Science & H.D. Patel Arts College, Kadi
Bachelor of Vocation Pharmaceutical Chemistry Semester-IV
Internal Examination, March-2018,
(PC-412) Microbiology

Time: 2 hours

28/03/2018

Total Marks: 60

Q-1. Answer any 12 questions. Each question carries 1 mark [12]

1. Define Microbiology
2. Write down one difference between Prokaryotes/Eukaryotes.
3. What is Temperature of Autoclave?
4. Define Sterilization.
5. Gram Positive Bacteria appear as Violet. True/False
6. Gram staining was discovered by?
 - a) Louis Pasteur b) Antony c) Christian Gram d) Robert Koch
7. _____ is a Father of Microbiology.
8. Give 2 examples of Microorganisms.
9. _____ gave a 5 Kingdom Classification?
10. Moist heat is used in Autoclave. True/False
11. Milk is Sterilized by
 - a) Boiling b) Pasteurization c) Drying d) None
12. In Electron Microscope _____ is used?
 - a) Electron b) Proton c) Neutron d) None
13. _____ can be used a Disinfectant.

Q-2. Answer any 5 questions. Each question carries 4marks [20]

1. List out different areas of Microbiology.
2. Difference between Prokaryote and Eukaryotes.
3. Explain various groups of Microorganisms.
4. Explain Moist heat as a physical agent
5. Explain Disinfectant as chemical agents.
6. Draw a simple diagram of Microscope.
7. Short note on Louis Pasteur.

Q-3. Answer any 4 questions. Each question carries 7 marks [28]

1. Explain Transmission Electron Microscopy.
2. Explain Whitaker's 5 kingdoms Classification.
3. Classify the organism on the basis of temperature.
4. Contribution of Robert Koch in Microbiology.
5. Write a note on Gram staining.
6. What is microbiology? List out different scientist who had contribution in Microbiology.

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