

Extra



**V.P.&R.P.T.P. SCIENCE COLLEGE V.V.NAGAR**

**B.Sc. EXAM. SEM. V CODE:US05CBOT03 (BOTANY)**

**SUBJECT : MICROBIOLOGY, MICROTECHNIQUE AND FORESTRY**

**DATE:5/10/2019 SATURDAY TIME:11.00 TO 12.15 Totalmarks:25**

**Q. 1 Multiple Choice questions. 05**

- 1 Bacteria were first discovered by .....  
(a) N.D. Zinder (b) A.V. Leeuwenhoek (c) Robert Koch (d) Robert Hooke
- 2 The organism capable of destroying bacterial colonies is :  
(a) Virion (b) Viroid (c) Virus (d) Prion
- 3 Which one of the following is not a “standard preservative” in botanical microtechnique ?  
(a) Carnoy’s fluid (b) Formalin acetoalcohol (c) Congo red (d) Chromic acid
- 4 Fibres of commerce are obtained from family :  
(a) Solanaceae (b) Rutaceae (c) Myrtaceae (d) Sterculiaceae
- 5 The most suitable common host of lac insect is :  
(a) *Acacia tora* (b) *Rubia sp.* (c) *Melia azadirach* (d) *Schelicera leaca*

**Q. 3 Describe the structure of bacterial cell with suitable diagram. 05**

**OR**

**Q. 3 Describe the general structure of Bacteriophage. 05**

**Q. 4 Write a note on Maceration of wood tissue. 05**

**OR**

**Q. 4 What are fixatives? State any one fixative used in fixation. 05**

**Q. 5 What are wood preservatives? Discuss oil based wood preservatives. 05**

**OR**

**Q. 5 Write the sources and uses of Grass oils. 05**

**Q. 6 Discuss : the process of paper making. 05**

**OR**

**Q. 6 Write the process of manufacture of Plywood. 05**