2017

(January)

Full Marks: 40 Time: 2 hours

All Question carry equal marks.

Answer **all** questions

(Microbiology and Immunology)

1. Explain the various methods of reproduction (14)found in bacteria. OR Write short notes on the following: (7x2=14)(a) Mycoplasma Use of Cyanobacteria in industry and agriculture 2. Write details on virus as a tool for genetic (13)engineering. OR Write short notes on the following: $(6\frac{1}{2}x2=13)$ (a) Transduction (b) Viral vectors 3. What is antibody? Explain the basic structure (13)of antibody molecules with labeled diagram. OR Write short notes on the following: $(6\frac{1}{2}x2=13)$ (a) B-lymphocytes

Human Immune deficiency diseases.

(b)