

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BACHELOR OF SCIENCE - HONOURS/ HONOURS WITH RESEARCH - SEMESTER - I**  
**EXAMINATION - WINTER 2025**

**Subject Code: BS01001041**

**Date: 26-12-2025**

**Subject Name: Human Microbial Diseases**

**Time: 10:30 AM TO 01:00 PM**

**Total Marks: 70**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Draw neat and clean diagrams as required.

- Q.1 Write a note on following (Marks-10X2=20)**
1. Scurvy
  2. Nosocomial infections
  3. Whooping Cough
  4. AIDS
  5. Anthrax
  6. Tuberculosis
  7. AMR
  8. Pathogenicity Island
  9. Viral oncogene
  10. Cervical cancer vaccine
- Q.2 Answer the following (Any 2 out of 3) (Marks-2X10=20)**
1. Write the detail note on occupational infection with two examples.
  2. Explain the etiology of food borne diseases with suitable examples.
  3. Describe the mechanism of oncogenesis by microorganism.
- Q.3 Answer the following (Any 6 out of 8) (Marks-6X5=30)**
1. Explain the nosocomial diseases with any two example.
  2. Discuss about the Malaria and Chikungunya disease.
  3. Write the note on microbial virulence factors.
  4. Describe the prevention of microbial diseases by different methods.
  5. Write the detailed note on the SARS-CoV-2.
  6. Write the note on viruses responsible cancer.
  7. Discuss about vaccination with any two examples.
  8. Write the role of chemotherapeutic agent for the management of oncogenic infections.

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