

4888

4

- (b) Giardiasis
- (c) Leprosy
- (d) Non-specific immune response

(200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4888

J

Unique Paper Code : 2234002005

Name of the Paper : GE: Microbiota: Importance
in Health & Disease

Name of the Course : **B.Sc. (H) Zoology (NEP)**

Semester : IV

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **FOUR** questions in all.
3. Question No. 1 is compulsory.

1. (a) Define the following terms : (1×6 = 6)

(i) Adaptive immunity

P.T.O.

- (ii) Endospore
- (iii) Septicaemia
- (iv) Bioterrorism
- (v) Viroids
- (vi) Probiotics

(b) Distinguish between : (2×3=6)

- (i) Pathogenicity and Virulence
- (ii) Resident flora and Transient flora
- (iii) Probiotics and Prebiotics

(c) Fill in the blanks : (1×3=3)

- (i) _____ are heat stable proteins.
- (ii) Microorganisms living in extreme conditions are called as _____.
- (iii) Moisture content, pH and acidity, nutrient content, Biological structures, redox potential for microbial growth are called as _____ factors.

- 2. (a) Give a detailed account of the various bacterial diseases of the skin. (12)
- (b) Write a short note on Candidiasis. (3)
- 3. Describe in detail the specific immune response against microbial infection. (15)
- 4. Give a brief description of the microbe that causes Cholera. Give a detailed account the symptoms, test, diagnosis, and preventive measures for the disease. (15)
- 5. Give a detailed account of the following diseases. (7.5×2=15)
 - (a) Polio
 - (b) Trypanosomiasis
- 6. Write short note on **any three** : (5×3=15)
 - (a) Gut microbiota