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QP-2887
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OCT_NOV_2024 WINTER EXAMINATION

2354 B.Sc. CBCS (NEP 2020)

Sub. Name: MICROBIOLOGY - VIII (BASIC IN MEDICAL MICROBIOLOGY & IMMUNOLOGY)

Sub. Code: 94265

Day and Date: JANUARY ,02-01-2025

Time: 02.30 PM To 04:00 PM

Total Marks: 40

- Instructions:**
- 1. All questions are compulsory**
 - 2. Draw neat labelled diagrams wherever necessary**
 - 3. Figures to the right indicate full marks**

Q1) Rewrite the following sentences by choosing the correct alternative.

[8]

- i. The infection induced by a physician is called _____ infection.
 - A. secondary
 - B. congenital
 - C. reinfection
 - D. iatrogenic
- ii. When the disease affects a few scattered peoples in a community, it is termed as _____.
 - A. epidemic
 - B. endemic
 - C. sporadic
 - D. pandemic
- iii. The period from the entry of the pathogen into a host to the appearance of symptoms is called _____.
 - A. virulence
 - B. pathogenicity
 - C. carrier
 - D. incubation period
- iv. The immunity that develops due to the administration of a vaccine is called _____ immunity.
 - A. natural active
 - B. natural passive
 - C. artificial active
 - D. artificial passive
- v. _____ is an antigen that is present in some members of a species but not in all members of a species.
 - A. Autoantigen

[1]

P.T.O.



- B. Heterophile antigen
- C. Isoantigen
- D. Incomplete antigen

vi. _____ is the main antibody involved in allergic reactions.

- ☒ A. IgA
- ☐ B. IgE
- ☐ C. IgM
- ☐ D. IgD

vii. Lysozyme is found in _____.

- ☐ A. CSF
- ☒ B. tears
- ☐ C. sweat
- ☐ D. urine

viii. The ability of an organism to produce disease is called _____.

- ☒ A. virulence
- ☐ B. pathogenicity
- ☐ C. poisoning
- ☐ D. prophylaxis

Q2) Attempt ANY TWO

[16]

- a. What is disease? Describe different modes of transmission of diseases. [8]
- b. Describe in detail the physicochemical barriers present in the human body. [8]
- c. What is antigen? Describe various factors affecting antigenicity of antigen. [8]

Q3) Write short note

[16]

- a. Active and passive immunity [4]
- b. Burnet's clonal selection theory [4]
- c. Normal flora of human body [4]
- d. Primary and secondary immune response [4]
- e. Types of infections [4]
- f. Carriers [4]