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NA—155—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New)

MICROBIOLOGY

Paper-VII

(Immunology)

(Friday, 22-12-2023)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Illustrate your answer with suitable diagrams wherever necessary.

1. Define pathogenicity. Explain in detail factors predisposing to microbial pathogenicity. 15

Or

(a) What are Immunoglobulins ? Explain in detail basic structure of Immunoglobulin as per porter et al. 8

(b) Write on theories of Antibody production. 7

2. Describe in detail direct and indirect complement fixation test. 15

Or

(a) Explain with mechanism systemic Anaphylaxis. 8

(b) Explain Type-II hypersensitivity reaction with example. 7

P.T.O.

WT

(2)

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3. Write short notes on (any *two*) :

5×2=10

- (a) Normal flora of oral cavity.
- (b) Antigens of *Salmonella typhi*
- (c) Immunofluorescence test
- (d) Arthus reaction.

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