

ZalĀa-2. »ġ- i æ'yaēātrā; AuŃ'všy ; Ēv ¥wġEĀšy āvāsĀā wšyŃl qšy Ūyqāġ šyā wġāā šylāk¥ ĩ

Describe Deoxyribonucleic acid and its alternative forms.

OR

Zaġġā šyl āōmāšy yĒj Āā šyā; EĀāĒĒĒ/ā ōāēā ytl āč¥ ĩ

Explain secondary structure of protein with suitable example.

ZalĀa-3. ¥ġāčt šy Zātān wġāšyā wġāā šylāk¥ ĩ

Describe the main classes of enzymes.

OR

¥ġāčt ; āsāšyūā šyl āšyūāwāō šyāytl āč¥ ĩ

Describe the mechanism of enzyme action.

ZalĀa-4. 'ġšyāā' yāvšy ; Ēv j šy šyā āwġmā wġāā šylāk¥ ĩ

Describe Tricarboxylic acid cycle in details.

OR

wyāu ; Ēvāšy rāġ (β) ; ā'yāšyĒ/ā šyāytl āč¥ ĩ

Explain the Beta () oxidation of fatty acids.

ZalĀa-5. Eqaġēn ZāmĒōā šyā āwġmā wġāā šylāk¥ ĩ

Describe the Acquired Immunity.

OR

āġġāvāġm qĒ ā'ġġ/ā āvāġ¥ B

i) āvĒġyāč'ty r) ¥vāčkā

Write short notes on :

- a) Lymphocytes b) ELISA

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Annual Examination - 2017

B.Sc.-I

MICROBIOLOGY

Paper - II

BIOCHEMISTRY AND IMMUNOLOGY

Max.Marks : 50

Min Marks : 17

Time : 3 Hrs.

'ġġ B h'ġp' ; ' tġAy ; ānvi ĒĒĒ ZalĀa ĒĒ āġġġv šyĒĒā ; āvāvĒĒĒ h'ġp'r' tġvi ĒĒĒ ZalĀa h'ġp'y' tġĀāi ēĒĒĒ ZalĀa ĒĒĒ h'ġp' ; ' šyāyryčqġvčġv šyĒĒ

Note: Section 'A' , containing 10 very short answer type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

β

h'ġp' ; '(Section-'A')

āġġāšyā ; ān vi ĒĒĒ ZalĀa šy ĒĒĒ ¥šy uā āč; wā' uāġ tġĀġ ĩ (Answer the following very short-answer-type questions in one or two sentences) (1x10=10)

ZalĀa-1. Āāġā šy šyāġ ās ōw šyā tġġāčkā; wāvčġv šyāā vāyšyĒĒ »ty šyā Āāt āvāġ¥ ĩ Write the name of mucopolysaccharides found in vitreous body of the eye.

ZalĀa-2. ČĀān'ġġāšyā āšyčšyĒā kāmā ĒĒ? What is called invert sugar?

ZalĀa-3. Āūġāā tġġāčkā; wāvčġv šyā Āāt āvāġ¥ ĩ Write the name of ring present in Purine.

ZalĀa-4. Z-DNA tġ; āyĒā ġāšyĒā ; ½ġ āšyā ; āsāwġy šyā Ēānā ĒĒ? How does adjacent sugar molecules orient in Z-DNA?

