

Roll No.....

Total No. of Questions : 05

Total No. of Printed Pages : 02

Code No. : B-276(B)

Annual Examination - 2017

B.Sc.-III

ZOOLOGY

Paper-I

ECOLOGY ENVIRONMENTAL BIOLOGY TOXICOLOGY

MICROBIOLOGY AND MEDICAL ZOOLOGY

Max.Marks : 50

Min.Marks : 17

Time : 3 Hrs.

1. B Zaa S y c S y a e y c y S y Z a l A a N v S y l a k y n i y s a Z a l A a S y ; S y y t a l a N e n

Note : Attempt one question from each unit. All questions carry equal marks.

Unit-I

Zal Aa- 1. K l a y P u a i A a w S y a c Z a s a a m S y A a w a v c t a u S y a S y a S y a w / a S y E m c N k K l a y P u a a l a u a S y S y a S y a w / a S y l a k y n i

Explain the main causes or factors affecting population density and also the mechanisms to regulate it.

OR

y b a m a l i q a a v a h y (Write short notes on) B

1) w a u z a a x y a (Air Pollution)

2) A a c 1 k a j S y (Nitrogen cycle)

Unit-II

Zal Aa- 2. q a E O n a n S y m b a t e q a x y a D m E y c i a q u a y t l m c n e n q a x y a D m E a p t e y k a e Z a w a l i S y a v a s A a t a p v a S y l y n a u m a y c D q p S y l a k y n i

What do you mean by Trophic levels in Ecosystem? Explain the energy flow through these trophic levels with the help of various Ecological models.

P.T.O.

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OR

Write short notes on) β

- 1) Food chain and food web
- 2) Ecological pyramids

Unit-III

Q3. What do you mean by animal poisons? Describe their various types, biochemical composition and effects on human beings.

OR

Write short notes on) β

- 1) Botulism
- 2) Classify Toxicants

Unit-IV

Q4. Explain with examples about the role of micro organisms on milk and milk products of industrial importance.

OR

Describe the production of antibiotics and vaccines with the help of microbiology.

Unit-V

Q5. Write about any five, viral and bacterial diseases, their causal organisms and symptoms developed in humans.

OR

Write short notes (any two) β

- i) Dracunculus
- r) Vector Insects
- y) Trypanosoma

OR

Write short notes on) β

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- 2) Ecological pyramids

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