

Roll No.

Total No. of Questions : 9]
(2034)

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UG (CBCS) IIIrd Year Annual Examination

3013

B.Sc. ZOOLOGY

(Applied Zoology)

(DSE-IA)

Paper : ZOOL 301 (A) TH

Time : 3 Hours]

[Maximum Marks : 50

Note :- Q. No. 1 is compulsory. Attempt *one* question each from Sections B, C, D and E. Different parts of a question must be attempted at one place together.

Section-A

(Compulsory Question)

I. Very short answer type :

(i) are used by mosquito for balancing during flight.

(ii) Rapid increase in fish production is called as

CH-313

(1)

Turn Over

(iii) Causative agent of disease Yaw is

(iv) LBRF means

(v) Hyper parasitism means

(vi) Syphilis is caused :

(a) Rickettsia

(b) Spirochaete

(c) Mycoplasma

(d) Chlamydia

(vii) A lymph inhabiting parasite is :

(a) Schistosoma haematibium

(b) Paragonimus westermani

(c) Wuchereria bancrofti

(d) Taenia solium

(viii) The full form of PRID is ?

(ix) protocols are adopted for esterase synchronisation.

(x) Testosterone is produced from

1×10=10

Section-B

2. Write short notes on the following :

- (a) Definitive host
- (b) Commensalism
- (c) Reservoir
- (d) Zoonosis

2½×4=10

3. Write in detail about transmission, prevention and control of Typhoid disease.

10

Section-C

10 each

- 4. What do you know about *Borrelia recurrentis* and *Rickettsia prowazekii* ?
- 5. Explain in detail the life history, pathogenicity and control of trypanosome

Section-D

- 6. Write down about mode of infection, life history, pathogenicity caused by *ancylostoma duodenale*.
- 7. Write short notes on biology, control and damage of following :

- (i) *Tribolium castanum*
- (ii) *Callosobruchus chinensis*

5+5=10

Section-E

10 each

8. What are the principles of poultry breeding ? Describe the steps involved in processing and preservation of eggs.
9. What do you know about induced breeding and transportation of fish seed.