

B. Sc. DEGREE EXAMINATION, APRIL 2014

BRANCH V.A. – PLANT BIOLOGY & PLANT BIOTECHNOLOGY
SECOND SEMESTER

COURSE : ALLIED – CORE
PAPER : GENERAL ZOOLOGY – II
TIME : 3 HOURS

MAX.MARKS: 100

SECTION-A

ANSWER ALL QUESTIONS

(10x3=30)

1. FILL IN THE BLANKS

- Turner's syndrome is an example of _____ type of aneuploidy.
- Eggs with moderate amount of yolk is known as _____.
- The third cleavage plane in amphioxus egg is _____ plane.
- Ancylostomiasis is caused by _____.
- _____ is used to induce ovulation in fishes.
- The Queen bee is fed with _____.

2. DIFFERENTIATE BETWEEN

- Epiboly and Emboly
- Stifling & Reeling

3. NAME THE CAUSATIVE AGENT OF THE FOLLOWING:

- Malaria
- AIDS
- Cholera

4. GIVE THE FUNCTION OF:

- Queen Excluder
- Placenta
- Chandraki

5. STATE WHETHER TRUE OR FALSE

- Down syndrome is also known as 21 trisomy
- Rabies is transmitted through the saliva of rabid dogs
- Muga silk is produced by the *Tasar* silkworm
- Elephantiasis is caused by *Mycobacterium*.
- Placenta is a Greek word and it means "flat cake".
- The AB blood group person is called a universal donor.

6. List the economic importance of bees wax.

7. EXPAND

a) BCG

b)DTP

c)ATS

8. Name any three bacterial diseases of Human.

9. What is Ethology?

10. MATCH THE FOLLOWINGa) *Apis indica*

b) 44 + X

c) *Macaca rhesus*

d) Kent

e) *Eri* silkworm

f) Fish culture

Turner's syndrome

Rh antigen

Alecithal eggs

Hapas

Indian bee

*Attacus ricinii***SECTION-B****ANSWER ANY FIVE QUESTIONS****(5x6=30)**

[Draw diagrams wherever necessary]

11. Explain the life cycle of *Bombyx mori*.

12. Comment on the patterns of cleavage.

13. Classify placenta according to the distribution of villi & chorion.

14. Describe the structure and mode of transmission of HIV.

15. Give a brief account on the symptoms, diagnosis and control of tuberculosis.

16. Briefly explain any two genetic disorders in man.

17. Write a note on Abnormal behavior in Zoo animals.

SECTION-C**ANSWER ANY TWO QUESTIONS****(2x20=40)**

[Draw diagrams wherever necessary]

18. Explain the process of culture of Indian major carp. Add a note on the byproducts of fishing industry.

19. Write an essay on Assisted reproductive technology.

20. How are ABO blood groups inherited in man? Add a note on the significance of Rh factor.

21. Give an account on *Entamoeba histolytica*, its mode of transmission, symptoms & control of amoebiasis.
