

UDALA COLLEGE, UDALA  
TEST EXAM -2018

SUB: ZOOLOGY (BIOLOGY-II)

CLASS: +2 2<sup>ND</sup> YEAR SCIENCE

TIME: 1 HOUR

F. M. - 35

The figures in right hand margin indicate marks.

Illustrate your answers with labeled diagrams and examples wherever necessary.

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Follow the instructions given in each group and answer the questions accordingly.

GROUP -A

(Answer all questions serially)

1. Choose the correct answer from the choice given under each bit : [1X5]

a) Sertoli Cells are found in \_\_\_\_\_

(Epididymis, Seminiferous tubules, Germinal epithelium, Frog's ovaries)

b) Animals undergo inactive stage during summer season is known as =

(aestivation, hibernation, adaptation, acclimitisation)

c) Development of an egg without fertilization is called \_\_\_\_\_

(Gametogenesis, metogenesis, Oogenesis, parthenogenesis)

d) What are the gene pair signifying a trait called \_\_\_\_\_

(Hybrid, Phenotype, Pureline, Alleles)

-400  
-280  
-200  
800  
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1800

- e) Peripatus is a connecting link between \_\_\_\_\_  
(Mollusca and Echinodermata, annelida and arthropoda,  
Coelenterata and porifera, ctenophore and  
Platyhelminthes)
2. Fill in the blanks with correct answer. [4]
- FSH and LH are secreted by \_\_\_\_\_  
endocrine gland.
  - Protozoa that causes malaria in man is \_\_\_\_\_
  - A parasite living in the tissues of a host is called  
as \_\_\_\_\_
  - The chromosome formula  $2n=44A+XXY$   
represents \_\_\_\_\_ syndrome.

## Group - B

3. Answer any four of the following. [4X2]  
(Restrict your answer to two or three important  
sentences each)
- What is "Criss-cross inheritance"?
  - State the role of insulin.
  - What is Elephantiasis?
  - Darwin's theory of Natural selection?
  - What is longitudinal binary fission?
  - What is mutualism?
  - What is bee wax?
4. Differentiate between any two of the following. [3X2]
- B-Lymphocyte and T-Lymphocyte.

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- b) Ex-situ Conservation and in-Situ Conservation
- c) Phenotype and Genotype
- d) Fertilization and Parthenogenesis.
- e) Inbreeding and out – breeding.

## Group – C

Answer any one question.

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- 5. Give an account of the human female reproductive system.
- 6. What is ecosystem? Discuss functional aspects of ecosystem.
- 7. What is Sex – Linked inheritance? Explain the inheritance in reference with Drosophila.
- 8. What is Darwinism? Add a note on Neo- Darwinism.

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