

**2025/FYUG/ODD/SEM/
ZOOIDC-101T/334**

FYUG Odd Semester Exam., 2025

ZOOLOGY

(1st Semester)

Course No. : ZOOIDC-101T

(Understanding Life Process)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

**Answer any four from the following
questions :**

1×4=4

- (a) Define binomial nomenclature with example.**
- (b) Mention two basic characteristics of living being.**
- (c) Mention the essential measures of conservation taken in zoological parks.**

(2)

- (d) What do you mean by ICZN and ICBN?
(e) What are botanical gardens?

2. Answer any one from the following questions :

- (a) Discuss briefly the basic characteristics of chordates.
(b) Discuss briefly the basic characteristics of non-chordates.

3. Answer any one from the following questions :

- (a) Discuss the different levels of organization of living being with suitable illustrations.
(b) Discuss the rules of nomenclature mentioned in ICZN with examples.

UNIT—II

4. Answer any four from the following questions :

- (a) Define digestion.
(b) Mention the digestive glands present in human being.
(c) What are the components of a balanced diet?

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(3)

- Define absorption.
Define the dental formula in human being.
(d) Write down the dental formula in human being.
(e) human being. from the following 2

5. Answer any one from the following questions :
Discuss briefly the functions of bile in the process of digestion.

- (a) the process of digestion in mouth.
(b) Write a brief note on digestion in mouth. 8

6. Answer any one from the following questions :

- (a) Discuss the digestive system of human being with suitable labelled diagram. 6+2=8
(b) Define nutritional deficiency. Discuss the protein deficiency diseases in human being. 2+6=8

UNIT—III

7. Answer any four from the following questions :
1×4=4

- (a) Define respiration.
(b) Define respiratory volumes.
(c) Define respiratory capacities.

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(Turn Over)

(c) Mention the basic characteristics of respiratory surface.

(e) What is partial pressure.

8. Answer any one from the following questions:

(a) Write a brief note on the mechanism of breathing.

(b) Mention two respiratory disorders and discuss their symptoms.

9. Answer any one from the following questions:

(a) Discuss the respiratory system of human being with suitable labelled diagram.

(b) Discuss the mechanism of transport of CO_2 with suitable illustration.

UNIT—IV

10. Answer any four from the following questions:

(a) Define blood.

(b) Define blood groups.

(c) Define blood pressure.

(d) Mention two disorders of circulatory system.

(e) Define lymph.

11. Answer any one from the following questions:

(a) Write a brief note on the type of white blood corpuscles.

(b) What do you mean by double circulation? Illustrate it.

12. Answer any one from the following questions:

(a) Discuss the circulatory system of human being with labelled diagram.

(b) Discuss the method for measuring blood pressure with illustration.

UNIT—V

13. Answer any four from the following questions:

(a) Define fertilization.

(b) Mention the process of formation of male and female gametes.

(c) Define zygote.

- (d) What is Menarche?
- (e) Which hormones are involved in the menstrual cycle of human being?

14. Answer any one from the following questions :

- (a) Draw the structure of a human sperm and label it.
- (b) Draw the structure of a human ovum and label it.

15. Answer any one from the following questions :

- (a) Discuss the male reproductive system of human being with suitable labelled diagram. 6+2=
- (b) Discuss the female reproductive system of human being with suitable labelled diagram. 6+2=

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