



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
(Autonomous)
End Semester Examination: OCT / NOV: 2024
Faculty: Science and Technology

Program: B.Sc. (Gen 03)

Semester: V

SET: A

Program (Specific): Zoology

Course Type: DSEC

Class: T.Y.B.Sc

Max.Marks: 35

Name of the Course: Histology and Histopathology

Course Code: 24-ZO-352

Time: 2Hr

Paper: II

Instructions to the candidate:

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q1) Multiple Choice Question:

5

- 1) Islet of Langerhans present in
a) Pancreas b) Liver c) kidney d) nephron
- 2 Study of Tissue diagnosis is called
a) Histology b) Cytology c) Mycology d) Histopathology
- 3) Blood is a type of Tissue.
a) Muscular b) Nervous c) Connective d) Epithelial
- 4) ----- is a Voluntary Muscle.
a) Epithelial b) Nervous c) Connective d) Striated
- 5) -----exocrine and Endocrine parts Present in
a) Liver b) Pancreas c) kidney d) nephron

Q2) Very short answer questions (Attempt any 4/6)

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- i) What are the 3 basic layers of alimentary canal?
- ii) Explain alveoli.
- iii) What is gastric gland?
- iv) What is Podocyte?
- v) Explain oxyntic cell
- vi) What is Sebaceous gland?

SECTION: B

Q3) Short answer questions (Attempt any 4/6)

8

- i) Function of Sertoli cells.
- ii) Define Sarcomere
- iii) What is Corpus luteum?
- iv) Explain the role of Adrenal gland.
- v) Explain Structure and Function of ciliated epithelial cell
- vi) Define Pulp cavity.

SECTION: C

Q4) Short answer questions (Attempt any 4/6)

8

- i) Describe the Function of oxytocin.
- ii) Explain the Structure of neuron.
- iii) Write a note on Epidermis of skin.
- iv) Explain: Structure of taste bud.
- v) Describe the Structure of nephron.
- vi) what is Connective tissue? Enlist types of connective tissue.

SECTION: D

Q5) Long answer type Questions

10

Attempt any two of the following (2/4)

- a) Describe histology of Pituitary gland.
- b) Describe T.S. of testis.
- c) Describe Juxtaglomerular complex.
- d) Sketch and label histology of ovary.