

1903001103020002
EXAMINATION NOVEMBER 2024
BACHELOR OF SCIENCE (BIO TECHNOLOGY) (MASTER OF
SCIENCE (BIO TECHNOLOGY) 5 YEAR INTEGRATED
COURSE) (THIRD SEMESTER)
MAMMALIAN ANATOMY AND PHYSIOLOGY - LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (BIO TECHNOLOGY) (MASTER OF SCIENCE (BIO TECHNOLOGY) 5 YEAR INTEGRATED COURSE) (THIRD SEMESTER)**
- b. Name of the Subject : **MAMMALIAN ANATOMY AND PHYSIOLOGY - LEVEL 2**
- c. Subject Code No : **1903001103020002**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Define/Answer in short Any Four:

8

- (a) Give formula for Cardiac output.
- (b) What is Action Potential?
- (c) Define Cleavage.
- (d) Name any two female hormones and give their function.
- (e) Define Fertilization

Q.2 Attempt Any Two:

14

- (a) Explain the Structure of Heart with labelled diagram.
- (b) Discuss the mechanism of Sliding Filament.
- (c) Explain: Thyroid Glands

Q.3 Explain in detail Any Two:

14

- (a) Describe Signal Transduction of Synapses with Diagram.
- (b) Explain: Female Reproductive Cycle

- (c) Describe the structure of Pancreas in detail. Discuss the functions of various hormones secreted from Pancreas.

Q.4 Attempt Any Two of the following:

14

- (a) Explain Structure of Ovary. Draw a neat and labelled diagram
(b) Write a note on Reflex Activity.
(c) Explain Microscopic Structure of Skeletal Muscles.
