

**Physiology [Minor]
[NEP]**

B.Sc. Third Semester End Examination-2024

PAPER-PHY MI3T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

*Candidates are required to give their answers in their own words as
far as practicable*

Illustrate the answers wherever necessary

Group-A

- 1. Answer any FIVE questions of the following: 5x2= 10**
- a. What is resting membrane potential of a neurone?
 - b. What is fetal oogenesis?
 - c. What is goitre?
 - d. What is red muscle and white muscle fibres?
 - e. What is motor unit?
 - f. What is spermiogenesis?
 - g. What is sebum?
 - h. Name the adrenal cortical hormones.

Group-B

- 2. Answer any FOUR questions of the following: 4x5 = 20**
- a. Discuss the function of calcitonin and PTH. 5

(2)

b. Write the role of oxytocin in sperm movement and milk ejection.

2½ + 2½

c. How sweat secretion is regulated? What are eccrine and apocrine sweat gland?

3+2

d. Mention the composition and function of cerebrospinal fluid.

2½ + 2½

e. Write the functions of Growth hormone. What is panhypopituitarism?

4+1

f. Discuss with a clear diagram about neuro muscular function.

What is myasthenia gravis?

4+1

Group-C

Answer any ONE question of the following:

1×10 = 10

a. What is menstrual cycle? Discuss the hormonal control of this cycle. What is reflex ovulation?

2+6+2

b. Describe the process of muscle contraction according to slide filament theory.

10
