

2022

PHYSIOLOGY

[GENERIC]

(B.Sc. Fourth Semester End Examination-2022)

PAPER-GE4T

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) Write any two secondary sexual characters of female.
- b) Mention the function of FSH.
- c) Write the name of the hormones secreted from adrenal medulla.
- d) Mention the abnormal constituents of urine.
- e) Write differences between Red and white muscle.
- f) Mention the function of CSF.
- g) What is refracting period?
- h) Write the differences between isometric and isotonic contraction.

Group B

2. Answer any FOUR questions of the following: 4x5 = 20

- a) Write the name of source of insulin and glucagon. Write the functions of hormone glucocorticoids. 2+3

(2)

- b) Write the chemical changes in muscle during contraction. 5
- c) Define rheobax and chronaxie. 1+4
- d) Describe the histology of testis. 5
- e) Write the role of hormone progesterone and estrogen.

$$2\frac{1}{2} + 2\frac{1}{2}$$

Group A

- 3. Answer any ONE question of the following: 1x10 = 10**
- a) What is End -plate potential (EPP)? Write the signal transmission procedure through neuromuscular Junction. What is classical conditioning? Give an example. 2+4+2+2
 - b) Write briefly about sertoli cells and leydig cells.
Describe the functions of testosterone. 2+2+6