

Total Pages – 3

B.A. RNLK-/C11T/21

2021

Physiology (H)

[Fifth Semester]

Paper - C11T

Full Marks : 40

Time : 2 hours

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.

1. Answer any five (05) of the following : 5×2=10
- a) Define Weber-Fechner law.
 - b) What do you mean by Photopic and Scotopic vision?
 - c) What is hypothermia and hyperthermia?
 - d) State the importance of cochlear microphonic potential.
 - e) What is protanopia?

(Turn Over)

(2)

- f) Distinguish between receptor potential and action potential.
- g) What is tripple response?
- h) What do you mean by after taste?

2. Answer any four (04) of the following : **4×5=20**

- a) Briefly define positive and negative after image. 2½×2
- b) What is heat stroke? Discuss the role of hypothalamus in normal body temperature regulation. 2+3
- c) What is sebum. Mention its composition and functions. 1+2+2
- d) Discuss with suitable diagram. The histological structure of organ of Corti. 2+3
- e) Briefly discuss about chemical and electrical changes in refine on exposure of light. 3+2
- f) Describe the process of visual accomodation. What is Argull-Robertson pupil? 4+1

(3)

3. Answer any 01 (one) of the following : 1×10=10

a) Discuss the functions of middle ear.

How olfactory receptors are being stimulated? 5+5

b) Discuss about the mechanism of sweating. 5+2½+2½

Mention the causes and prevention or corrections of myopia.