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RNLKWC/B.Sc.-CBCS/VS/PHY/H/C11T/22

2022

Physiology

[HONOURS]

(CBCS)

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

PAPER-C11T

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

1. Answer any five questions of the following: 5x2=10

- a) What is triple response?
- b) Write the name of ear ossicles.
- c) What is visual acuity.
- d) Define amplitude and frequency of sound.
- e) What is anosmia and hyposmia?
- f) Mention the different types of sweat gland.
- g) What is optic chiasm?
- h) What is critical temperature?

(2)

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

- a) Describe the Histological structure of skin with suitable diagram.
- b) Discuss the physiological changes in human body as a result of acclimatization to heat and cold.
- c) Describe the pathway of conducting sound impulses to brain.
- d) Define photo transduction. Describe the biochemical reaction occur during photo transduction.
- e) Describe the histological structure of olfactory mucous membrane.
- f) What is taste blindness? How taste receptors are stimulated?

2+3

3. Answer any one question: **1x10 = 10**

- a) Mention the role of pyrogeus in human body. What are the harmful effects of fever? Discuss the mechanism of heatloss process. What is panting? **2+2+4+2**
- b) What is dark adaptation? Briefly discuss its process. Mention the significance of vit-A in dark adaptation. **8+2**
