

U.G. 5th Semester Examination-2021**PHYSIOLOGY****[HONOURS]****Course Code : PHYSIOL-H-CC-T-11**

Full Marks : 40

Time : 2½ 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.*

1. Answer any **five** questions: $2 \times 5 = 10$
- a) What is hypermetropia?
 - b) What is cataract?
 - c) What is meant by dark adaptation?
 - d) What is fovea Centralis?
 - e) What is meant by after taste?
 - f) What are the functions of opiate receptors?
 - g) What do you mean by conductive hearing loss?
2. Answer any **two** questions: $5 \times 2 = 10$
- a) Discuss the role of hair cell in the conduction of auditory impulse.
 - b) What is visual acuity and what is its significance?

- c) Describe the mechanism of light reflex.
- d) Discuss the structure and function of Olfactory receptors.

3. Answer any **two** questions: $10 \times 2 = 20$
- a) Discuss critically The visual pathway with a labelled diagram.
 - b) Discuss the neural pathway for carrying olfactory signal to brain with a labelled diagram.
 - c) Discuss the role of cochlea in the mechanism of hearing.
 - d) What do you mean by colour vision? Discuss critically different theories of colour vision.
