

U.G. 5th Semester Examination - 2024**PHYSIOLOGY****[HONOURS]****Course Code : PHYSIOL-H-CC-T-11****(Special Senses)**

Full Marks . 40

Time : $2\frac{1}{2}$ 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.*

1. Answer any five questions: $2 \times 5 = 10$
- a) Name the ossicles present in the middle ear and state their functions.
 - b) What is hypermetropia?
 - c) Write the functions of cochlea.
 - d) What do you mean by 'After taste'?
 - e) What is Presbyopia?
 - f) What do you mean by ageusia?
 - g) What is Olfactometry?
 - h) Name the basic taste modalities.

[Turn Over]

2. Answer any two questions: $5 \times 2 = 10$

- a) Discuss the structure and function of olfactory receptors.
- b) Describe the taste pathway with a suitable diagram.
- c) Write a short note on colour blindness.
- d) Describe the mechanism of visual acuity of human eye.

3. Answer any two questions: $10 \times 2 = 20$

- a) Discuss the functions of organ of corti in hearing. 10
- b) Describe the auditory pathway with a suitable diagram. 10
- c) Describe the histological structure of a taste bud with labelled diagram. What do you mean by taste blindness? $8 + 2 = 10$
- d) What do you mean by colour vision? Discuss critically the different theories of colour vision. $2 + 8 = 10$