

**B.Sc. 5<sup>th</sup> Semester (Honours) Examination, 2020-21**

**PHYSIOLOGY**

**Course ID: 52511**

**Course Code: SH/PHY/501/C-11(T)**

**Course Title: Special Senses**

**Time: 1 Hour 15 Minutes**

**Full Marks: 25**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**1. Answer any five questions from the following:**

**1×5=5**

- (a) What is cochlea?
- (b) Write the functions of cone cells.
- (c) Differentiate between endolymph and perilymph.
- (d) What is eustachian tube?
- (e) What are the basic taste modalities?
- (f) What is ERG?
- (g) What do you mean by positive after image?
- (h) What is audiometry?

**2. Answer any two questions from the following:**

**5×2=10**

- (a) Briefly discuss the histological structure of retina. What is glaucoma? 4+1=5
- (b) Draw and describe taste sensation pathway. 3+2=5
- (c) What are the errors of vision? Write their remedial measures. 2+3=5
- (d) What is deafness? Mention the reasons of various types of deafness. 1+4=5

**3. Answer any one question of the following:**

**10×1=10**

- (a) What is colour vision? Explain different theories of colour vision. Add a note on accommodation reflex. 1+5+4=10
- (b) Define olfaction. What is meant by odourant? Describe the neural pathway of olfaction in man. 2+2+6=10