



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 5th Semester Examination, 2022

**CC11-PHYSIOLOGY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**GROUP-A**

1. Answer any **five** questions from the following: 1×5 = 5
- (a) What is myopia?
  - (b) What is the function of cone cells?
  - (c) What is anosmia?
  - (d) What is the function of auditory cortex?
  - (e) What is cataract?
  - (f) What is blind spot?
  - (g) What is aqueous humour?
  - (h) What is endolymph?
  - (i) What is organ of corti?

**GROUP-B**

**Answer any three questions from the following** 5×3 = 15

2. Mention the effects of lesion at different levels of visual pathway. 5
3. (a) What are the functions of tear? 2  
(b) Define pupillary reflexes. Name them. 3
4. Trace the pathway for taste sensation. 5
5. Trace the pathway for olfactory sensation. 5
6. (a) What is the role of middle ear in hearing? 2  
(b) Name the electrical potential involved during the process of hearing. 3

7. (a) What is light adaptation? What are its cause? 2+1  
(b) What is binocular vision? 2

**GROUP-C**

**Answer any two questions from the following** 10×2 = 20

8. (a) Define visual field and describe a normal visual field. 5  
(b) Describe the method for determining visual acuity. 5
9. Define glaucoma. What are the two main types glaucoma? What is the normal intraocular pressure? What are the factors affecting it? 1+2+2+5
- 10.(a) Describe the sense organ present in semicircular canals. 5  
(b) What are the receptor organs for taste? Where are they situated? 1+1  
(c) Describe Rinne's test. 3
- 11.(a) Explain the mechanism of auditory transduction. 5  
(b) What is cochlea? Describe its structure. 2+3

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