

First Year B.Sc Optometry Degree Supplementary Examinations
December 2017
GENERAL PHYSIOLOGY
(2010 Scheme)

Time: 3 hrs

Max marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays **(2x15=30)**

1. Name the main respiratory centres. Explain the neural regulation of respiration
2. Describe the composition and functions of pancreatic juice. Explain how it is regulated.

Short notes **(6x5=30)**

3. Heart sounds
4. Formation and functions of lymph
5. Colour vision
6. Determinants of blood pressure
7. Functions of cerebellum
8. Actions of thyroid hormones

Answer briefly **(5x2 = 10)**

9. Tidal volume
10. Accommodation
11. Stroke volume
12. Gigantism
13. Jaundice

One word answer **(10x1 = 10)**

14. Condition due to deficiency of insulin in adult
15. Duration of one cardiac cycle
16. Normal WBC count in adult
17. Name the baroreceptors
18. Name an anticoagulant that acts invivo and invitro.
19. Receptors for hearing
20. Type of hypoxia in carbon monoxide poisoning
21. The hormone that helps in the ejection of milk during lactation
22. Normal urine output in adult
23. Hormone that lowers blood calcium level
