

Q.P.Code 102013

Reg. No.:.....

First B.Sc Optometry Degree Supplementary Examinations - August 2012

GENERAL PHYSIOLOGY

Time: 3 hrs

Max marks :80

- Answer all questions
- Draw diagram wherever necessary

Essays (2x15=30)

1. Name the different types of WBC. Mention the percentage distribution of each WBC in peripheral blood. Explain the functions of each WBC (2½+2½+ 10=15)
2. Define blood pressure and mention its normal value. Explain the methods of recording blood pressure and the short term regulation of blood pressure. (2+1+6+6=15)

Short notes (6x5=30)

3. Draw and label visual pathway.
4. Functions of cerebellum.
5. Enterohepatic circulation and its significance.
6. Micturition reflex.
7. Draw and label spirogram
8. Actions of insulin.

Answer briefly (5x2 = 10)

9. Jaundice.
10. Stroke volume.
11. Clotting time.
12. Hypoxia.
13. Glomerular filtration rate

One word answer (10x1 = 10)

14. Name one gastrointestinal hormone.
15. Pacemaker of human heart.
16. Part of retina where there is no rods and cones.
17. Name the milk ejecting hormone.
18. Name two sensations carried through dorsal column
19. Name the secretions from parietal cells of the stomach.
20. Refractive power of eye.
21. Normal fasting blood sugar.
22. Total plasma protein concentration in blood.
23. Which part of the eye secretes aqueous humor.
