

Q.P.Code 102013

Reg. No.:.....

First B.Sc Optometry Degree Supplementary Examinations - March 2013

GENERAL PHYSIOLOGY

Time: 3 hrs

Max marks :80

- **Answer all questions**
- **Draw diagram wherever necessary**

Essays

(2x15=30)

1. Mention the composition of gastric juice . Discuss the mechanism of secretion of gastric HCl. Explain how gastric secretion is regulated (3+2+10=15)
2. Define arterial blood pressure. Name the factors determining blood pressure. Briefly explain regulation of blood pressure. (2+3+10=15)

Short notes

(6x5=30)

3. Hemoglobin
4. Micturition reflex
5. Neural regulation of respiration
6. Synaptic transmission
7. Draw and label visual pathway
8. Neuro endocrine reflexes

Answer briefly

(5x2 = 10)

9. Cardinal features of diabetes mellitus
10. Dark adaptation
11. Functions of thalamus
12. Tidal volume
13. Functions of platelets

One word answer

(10x1 =10)

14. Normal RBC count.
15. Primary visual area is located in which lobe of cerebral cortex .
16. Name the important mineralocorticoid hormones.
17. One factor which shifts oxygen dissociation curve to right.
18. Organ which stores bile.
19. Name the tract which carries pain sensation.
20. Normal urine output per day.
21. Type of WBC which is increased in allergic conditions.
22. . Name the important muscle of inspiration.
23. Closure of which valve causes second heart sound .
