

Q.P. Code: 204013 (Old scheme)

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
October 2017**

Nutrition & Biochemistry

(2010 scheme)

Time : 3 hrs

Max marks : 80

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

Essays

(2x15=30)

1. What is enzyme. What are the factors affecting enzyme activity (1+14)
2. What are the sources, biochemical functions and deficiency manifestations of vitamin C (2+7+6)

Short notes

(5x5=25)

3. Retinal neurochemistry
4. Glycogen storage disorders
5. Heme synthesis
6. Corneal transparency
7. Urea cycle

Answer briefly

(10x2=20)

8. Taurine
9. Kwashiorkor
10. HDL
11. Selenium
12. Anapleurotic role of TCA cycle
13. Mutation
14. Obstructive jaundice
15. Wilson's disease
16. Metabolic acidosis
17. Incomplete protein

One word answer

(5x1=5)

18. What is normal serum creatinine level.
19. Name one zinc containing enzyme
20. What is respiratory alkalosis.
21. Deficiency manifestations of riboflavin
22. Name one essential fatty acid
