

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I B.D.S Degree Examination - 13-Dec-2019**

**Time: Three Hours****Max. Marks: 35 Marks****BIOCHEMISTRY, NUTRITION AND DIETICS (RS3)****Q.P. CODE: 1180**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

**(Note: Both QP Codes 1179 and 1180 are to be, answered within total duration of three hours)****LONG ESSAYS****1 x 10 = 10 Marks**

1. Mention the normal pH of blood. Discuss acid-base balance. Add a note on metabolic acidosis.

**SHORT ESSAYS****3 x 5 = 15 Marks**

2. Urea cycle and its disorders.
3. Biochemical functions and deficiency manifestations of Vitamin A.
4. Structure and functions of DNA.

**SHORT ANSWERS****5 x 2 = 10 Marks**

5. Biologically important compounds derived from cholesterol.
6. Significance of Hexose Mono Phosphate (HMP) shunt.
7. Van Den Bergh test.
8. Balanced diet.
9. Biochemical functions of Iodine.

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