**ST. GREGORIOS DENTAL COLLEGE**

 **Reg. No.: .....................**
**First Year lll Internal BDS (2021 Batch) Degree Regular/Supplementary Examinations December 2022**

 **General Human Physiology and Biochemistry**

 **(2016 Scheme)
Time: 3 hrs Max marks: 70**
**• Answer all questions to the point neatly and legibly • Do not leave any blank pages between
answers • Indicate the question number correctly for the answer in the margin space
• Answer all parts of a single question together • Leave sufficient space between answers
• Draw Diagrams wherever necessary
• Write section A and section B in separate answer books (32 pages). Do not mix up questions
from section A and section B**

**Q P Code: 112002 Section A: Physiology Max Marks: 35**

 **Essay: (5+2+3=10)**
1. Trace pain pathway from left leg, explain fibers and neurotransmitters. Add a note on referred pain.CO2, K2
**Short Notes: (2x5=10)**2. Explain the functions of glucocorticoids and Cushing’s syndrome.CO1, K2
3. Second stage of Deglutition.CO2, K3
**Answer Briefly: (5x3=15)**4. Refractory errors of eye.CO1, K3
5. Taste Pathway.CO1, K2
6. Myxoedema.CO1, K2
7. Functions of bile.CO1, K2

8. Functions of Thalamus.CO1, K2

**Q P Code: 113002 Section B: Biochemistry Max Marks: 35**

**Essay: (1+1+5+3=10)**
1. Describe the sources, RDA, biochemical functions and deficiency manifestations

 of ascorbic acid.CO1 &CO3, K3
**Short Notes: (2x5=10)**2. Explain the disorders associated with aromatic aminoacid metabolism.CO3, K2
3. Discuss in detail blood glucose regulation in the fasting state.CO3, K2
**Answer Briefly: (5x3=15)**4. Role of kidney in acid base balance.CO4, K3
5. Significance of pentose phosphate pathway. CO3, K2
6. Hemolytic jaundice.CO3 & CO6, K4
7. Creatinine clearance test.CO4, K3

8. Diabetic ketoacidosis.CO3, K2

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