**ST. GREGORIOS DENTAL COLLEGE**

 **Reg. No.: .....................**
**First Year l BDS Degree Regular Model Examinations February 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: ( 2+4+2+2=10)** 1. What is hemostasis? Explain the intrinsic mechanism of blood coagulation.

 mention any two anticoagulants. Name any one disorder. CO1 & CO2, K3
**Short Notes: (2x5=10)**2. Describe arterial BP. What are the determinants? CO1, K2
3. Describe the respiratory centers and neural regulation of respiration. CO2, K3
**Answer Briefly: (5x3=15)**4. Referred pain. CO1, K2
5. Prolactin. CO1, K2
6. Contraception in females. CO2, K2
7. Micturition reflex. CO1, K2

8. Functions of Liver. CO1, K3

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

**Essay: (1+6+3=10)**
1. Mention normal serum bilirubin level. Explain the steps involved in the formation

 and excretion of bilirubin. Describe differential diagnosis of jaundice. CO1 & CO3,

 K3
**Short Notes: (2x5=10)**2. Explain different types of enzyme inhibitions with one example. CO2, K2
3. Write the sources, biochemical functions and deficiency diseases of ascorbic acid.

 CO2, K2
**Answer Briefly: (5x3=15)**4 DNA replication. CO1, K2
5. Steps in β-oxidation of fatty acids. CO2, K2
6. Digestion and absorption of carbohydrates. CO1, K2
7. Kidney function tests. CO3, K3

8.Transmethylation reaction and its significance.CO1, K2

 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*