# ST. GREGORIOS DENTAL COLLEGE, CHELAD

**Q P Code:213002 Second Year I Internal BDS Degree Regular Examinations, May 2024. Reg No……………….**

**GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS (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

questions together. Leave sufficient space between answers. Draw Diagrams wherever necessary

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|  | ***LONG ESSAY(10 X 2=20 MARKS)*** | **CO** | K |
| 1 | Classify beta blockers. Write the pharmacological actions, therapeutic uses and adverse effect of propranolol. (2+3+2+3) | **2** | K3 |
| 2 | Enumerate the various routes of administration with examples of drugs for each. (2+8) | **1** | K4 |
|  | ***SHORT ESSAYS (5X4=20 MARKS)*** |  |  |
| 3 | Define bioavailability. Explain the factors affecting it. | **2** | K5 |
| 4 | Classify four groups of antihypertensive agents . Explain the mechanism of action and adverse effect and uses of any one. (2+3) | **2** | K4 |
| 5 | Explain the mechanism of action of heparin . what are the advantages of low molecular weight heparins over unfractionated heparin. (2+3) | **1** | K3 |
| 6 | Mention four oral iron preparations. Explain the adverse effect of oral iron therapy and treatment of iron toxicity. (2+3) | **2** | K3 |
|  | ***SHORT NOTES (3X10=30 MARKS)*** |  |  |
| 7 | Define drug antagonism and mention different types of drug antagonism | **3** | K5 |
| 8 | Management of tetany | **5** | K5 |
| 9 | Calcitriol | **2** | K3 |
| 10 | Outline the management of organophosphorus poisoning | **2** | K1 |
| 11 | Outline the management of myasthenia gravis | **4** | K4 |
| 12 | Enumerate four reversible and irreversible anti cholinesterase drugs. Explain the uses of reversible anticholinesterase. | **4** | K1 |
| 13 | Classify peripherally acting skeletal muscle relaxants. Write the uses of d-tubocurarine | **2** | K5 |
| 14 | Therapeutic uses and contraindication of adrenaline | **3** | K4 |
| 15 | G -protein coupled receptors | **1** | K1 |
| 16 | Name four alpha blockers and their uses. | **2** | K5 |