**ST.GREGORIOS DENTAL COLLEGE, CHELAD**

**Q P Code:413002 Reg. No.: .....................**

**Final Year Part I 2ND Internal BDS Degree (Supplementary ) Examinations,16 Feb 2024.**

 **ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**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.**

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|  | ***LO LONG ESSAY(10 X 2=20 MARKS)*** | **CO** | K |
| 1 | Explain Downs,Steiners and Tweeds analysis with suitable diagrams. | **Co4** | K1,k2,k3 |
| 2 | An 8 year old patient reported with grossly decayed deciduous upper second molar tooth and it had to be extracted.What is the impact of this extraction on occlusion of the child if the condition is left untreated?What are the preventive procedures undertaken to prevent loss of space and malocclusion in this case? Explain various preventive treatment options in detail with suitable diagrams | **CO3,CO4,CO5** | K4,K5,k6 |
|  | ***SHORT ESSAYS (5X4=20 MARKS)*** |  |  |
| 3 | Soldering and welding in Orthodontics | **CO4,CO5,CO6** | K3,K4,K5,K6 |
| 4 | Orthodontic impression materials | **CO4,CO5,CO6** | K1,K2,K3 |
| 5 | IOTN | **CO8** | K1 |
| 6 | Minor surgical procedures in Orthodontics | **CO3,CO4** | K3,k4,k5,k6 |
|  | ***SHORT NOTES (3X10=30 MARKS)*** |  |  |
| 7 |  Broadbend triangle | **CO8** | K1 |
| 8 | Twin studies | **CO4** | K1,K2 |
| 9 | Sterilisation of impression and impression trays | **CO2** | K1 |
| 10 | Reverse orthodontics | **CO8** | K2,K3 |
| 11 | 18-8 stainless steel | **CO8** | K1,K3 |
| 12 | Annealing and cold working | **CO5** | K2,K3,K4 |
| 13 | Butlers field theory | **CO5** | K2,K3 |
| 14 | Carey’s and Arch perimeter analysis | **CO7** | K1,K2 |
| 15 | Pont’s analysis | **CO5** | K3,K4 |
| 16 | Informed consent in Orthodontic practice | **C03** | K3,K4 |