ST GREGORIOS DENTAL COLLEGE, CHELAD

**SECOND BDS REGULAR BATCH (KUHS 2017)**

**I INTERNAL THEORY EXAMINATION 10-12-2018**

DENTAL MATERIALS

SECTION :A -PROSTHODONTICS

Time: 1 1/2Hrs Max Marks: 35

Draw diagrams wherever necessary.

Write your NAME and ROLL NUMBER.

Long Essay (10)

1. Classify gypsum products. Describe in detail about manufacturing processes, setting reaction and setting expansion of gypsum products (3+7=10)

Short Essays (2X5=10)

1. Classify impression materials. Explain briefly about composition and setting reaction of zinc oxide eugenol impression paste. (2+3=5)
2. Describe briefly about composition, properties and manipulation of gypsum bonded investment (2+2+1=5)

Short Notes (5X3=15)

4. Adhesion and cohesion

5. Hygroscopic setting expansion

6. Water powder ratio in gypsum products

7. Syneresis and imbibition

8. Polyether