

MANIPAL UNIVERSITY**SECOND BDS DEGREE EXAMINATION – JUNE 2011****SUBJECT: DENTAL MATERIALS (ESSAY)
(NEW REGULATION)**

Saturday, June 25, 2011

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

1. Give the manufacturing methods of various gypsum products. Add a note on setting time control and its measurement in gypsum products.

(5+2½+2½ = 10 marks)

2. Classify glass ionomer cement with uses. Give its composition, setting reaction and bonding with tooth structure.

(3+3+2+2 = 10 marks)

3. Write short notes on:

- 3A. Viscoelastic property.
3B. Tarnishing and Concentration cell type corrosion.
3C. Solid solutions.
3D. Reline and Multimix techniques of impression making.
3E. Cold mould seal.
3F. Trituration.
3G. CAD-CAM ceramics.
3H. Ni-Ti wire.
3I. Composition and factors affecting distortion of Inlay pattern wax.
3J. Gaseous porosity in dental casting alloys.

(4 × 10 = 40 marks)

