

Question Paper

Exam Date & Time: 28-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - JUNE 2019

SUBJECT: DENTAL MATERIALS

Friday, June 28, 2019 (14:00 - 17:00)

Answer all the questions.

Marks : 60

Duration: 14.15-17.00

- 1) Classify acrylic denture base material. Explain the physical and chemical stages polymerization in heat cure acrylic denture base material. Write about curing of heat cure acrylic resin.
(2+2+3+3 = 10 marks)
- 2) Define composites. Classify them. Write about resin matrix and activator-initiator system in composite resins.
(1+2+3½+3½ = 10 marks)
- 3) **Write short notes on:**
 - 3A) Control of setting time in gypsum products (4)
 - 3B) Thermal conductivity and its significance in dentistry (4)
 - 3C) Cast metals and wrought metals (4)
 - 3D) Green stick compound (4)
 - 3E) Failures, causes and remedies in alginate impression (4)
 - 3F) Metal ceramic bonding (4)
 - 3G) Desirable properties of Orthodontic wire (4)
 - 3H) Calcium hydroxide (4)
 - 3I) Classification and manipulation of Inlay pattern wax (4)
 - 3J) Reservoir, casting ring & liner (4)

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