

Question Paper

Exam Date & Time: 11-02-2022 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - FEBRUARY 2022
SUBJECT: DENTAL MATERIALS
(IR BATCH - 2021)

Answer all the questions.

1. Define impression. List the ideal characteristics of impression materials. Give the composition, setting reaction and uses of addition polysilicone impression material. (1+4+2+2+1 = 10 marks)

- 2) Classify glass ionomer cements. Describe the composition, setting reaction and biological considerations of conventional glass ionomer cement. (2+3+2+3 = 10 marks)

3. **Write short notes on:**
 - 3A) Galvanic corrosion. (4)
 - 3B) Contact angle and wetting. (4)
 - 3C) Ductility and malleability. (4)
 - 3D) Measurement of setting times of gypsum products. (4)
 - 3E) Curing cycles used with heat cure acrylic resins. (4)
 - 3F) Acid etching technique. (4)
 - 3G) Delayed expansion of dental amalgam. (4)
 - 3H) Direct and indirect technique of inlay wax pattern fabrication. (4)
 - 3I) Cohesive and non-cohesive gold. (4)
 - 3J) Metallic implant materials. (4)

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