

**Q.P.Code:104226**

**Reg. No.:.....**

Part I Degree Supplementary Examinations, December 2012

**Paper IV - Branch I: Prosthodontics and Crown & Bridge**

**Time: 3 hrs**

**Max marks: 100**

- Answer **all** questions. Your answers should be specific to the questions asked.
- Illustrate your answers with relevant neatly labeled diagrams / tables / graphs wherever necessary.

**Part A - Research Methodology, Biostatistics, Dental Radiology, Emergency Medical Management and Ethics in Dentistry**

**Essay:**

**(20)**

1. What is meant by 'measures of central tendency' and 'measures of dispersion'.  
Explain each of them with the help of suitable examples.

**Short Essay:**

**(3x10=30)**

2. Procedure and application of bitewing radiographs.
3. Duties of dentists towards one another as prescribed by the Dental Council of India.
4. Anaphylactic shock and its management.

**Part B - Dental Material Science**

**Essay:**

**(20)**

5. Classify denture base materials. Describe the composition, properties and manipulation of polymethyl methacrylate.

**Short Essay:**

**(3x10=30)**

6. Composition and properties of irreversible hydrocolloid impression material.
7. Composition and desirable properties of inlay casting wax.
8. Recent developments in all-ceramic restorative materials.

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