

Q.P.Code:194250

Reg. No.:.....

M.D.S. Part I Degree Examinations, June 2013
(2012 Scheme)

**Paper IV - Research Methodology, Biostatistics, Dental Radiology,
Emergency Medical Management and Ethics in Dentistry**

Time : 3 hrs **Max marks : 100**

- Answer **all** questions.
- Illustrate your answers with relevant neatly labeled diagrams / tables / graphs wherever necessary.

Essay: **(2x20=40)**

1. What are the steps in scientifically analyzing research. How do you formulate a hypothesis and mention the reasons for preparing a protocol **(5+7+8=20)**
2. What are the factors to be considered in radiographic interpretation. Discuss the differential diagnosis of radiolucent lesions of the jaws **(10+10=20)**

Short essay: **(6x10=60)**

3. Hyper ventilation
4. The Hippocratic oath
5. Paired 't' test
6. Pathophysiology and management of vasovagal syncope
7. Malpractice and negligence
8. Retrospective research
