

Part I Degree Supplementary Examinations, June 2013
(2010 Scheme)

Paper IV - Branch VIII: Oral Medicine and Radiology

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. Define a sample. Describe the factors that should be considered by a researcher to develop a sample design.

Short Essay:

(3x10=30)

2. Acute adrenal insufficiency
3. Radiolucent lesions of the jaw
4. Chi square test

Part B - General Physics, Radiobiology and Radiotherapy

Essay:

(20)

5. Describe in detail the indications and limitations of cone beam computed tomography

Short Essay:

(3x10=30)

6. Electromagnetic spectrum
7. Thermo luminescent dosimetry
8. Treatment planning in radiotherapy
