

Part I Degree Examinations, July 2012

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. Enumerate the various digital imaging systems used in dentistry. Elaborate in detail about the various digital imaging sensors used in dentistry.

Short Essay:

(3x10=30)

2. Occlusal radiography
3. Cluster sampling
4. Anaphylactic shock

Part B - General Physics, Radiobiology and Radiotherapy

Essay:

(20)

5. Discuss in detail the biological effects of radiation.

Short Essay:

(3x10=30)

6. Positron emission tomography
7. Radioactive isotopes
8. Radiographic film processing procedure

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