

C 56579

Name.....

Reg. No.....

M.D. DEGREE EXAMINATION IN RADIODIAGNOSIS, MAY 2009

**Paper I—BASIC SCIENCE, RADIATION PHYSICS, RADIOLOGICAL ANATOMY AND
COTRAST MEDIA**

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

I. Write short notes on :-

- 1) Anodes in X ray tube.
- 2) Intensifying screens.
- 3) Contrast agents in MRI.
- 4) Larmour frequency.
- 5) Adverse reactions to iodinated I.V contrasts
- 6) Piezoelectric effect

(5 X 6 = 30Marks)

II. Write short notes on :-

- 1) Development and Pathology of Polycystic Kidneys
- 2) Sialography.
- 3) Radiological Anatomy of Adrenals
- 4) Bronchopulmonary segments
- 5) HRCT Technique.

(5 X 5 = 25 Marks)

III. Describe radiography of :-

- 1) Scapula.
- 2) Reverse lordotic view of chest.
- 3) Sacro-iliac joints.
- 4) Patella.
- 5) Optic foramen.

(5 X 5 = 25 Marks)

IV. Write briefly on :-

- 1) Film badge and TLD.
- 2) Fracture healing

(10 X 2 = 20 Marks)