RADIODIAGNOSIS

PAPER - IV

RDG/APRIL/16/40/IV

Time : 3 hours Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1.	a) Positioning and technique for apicogram.b) Magnification radiography.	5+5
2.	a) Principles of radiation protection.b) Define various radiation units and give maximum permissible dose for radiation workers.	4+(3+3)
3.	a) MR spectroscopy in breast.b) MR spectroscopy in prostate.	5+5
4.	Indications, contraindications and technique of intra-arterial thrombolysis for acute stroke.	3+3+4
5.	a) Role of CT perfusion in hepatic tumors.b) Role of CT perfusion in pancreatic tumors.	5+5
6.	a) Iso-osmolar contrast agents.b) Classify MR contrast agents.c) Nephrogenic systemic fibrosis.	3+3+4
7.	Radiological evaluation of skeletal maturity for bone age estimation.	10
8.	Role of radionuclide imaging in renal disorders.	10
9.	a) PET-MRb) MR guided interventions.	5+5
10.	Role of perfusion and diffusion MRI in post chemotherapy evaluation.	5+5
