

Q.P.CODE:124-NR*Dr. NTR University of Health Sciences::Vijayawada-520 008*

M.D. DEGREE EXAMINATION – APRIL, 2018

RADIO DIAGNOSIS

Paper-I – Basic Sciences

Time : 3 Hours

Max. Marks : 100

Note : Answer all questions

All questions carry equal marks

WRITE SHORT ESSAYS ON THE FOLLOWING

1. Emergency drugs that should be available in radiology department and their doses
2. Describe the anatomy and vascular territories of the cerebral arterial circulation with diagram.
3. Ground glass opacities on HRCT (High-resolution computed tomography) chest
4. Discuss the principles, components, advantages and drawbacks of digital radiography
5. Describe physics of 3D and 4D ultrasound and its usefulness in clinical imaging.
6. Radiation protection during fluoroscopy procedures
7. Describe the anatomy of the suprahyoid neck spaces
8. Safety hazards in MRI
9. AERB (Atomic Energy Regulatory Board) guidelines for X ray and CT installation
10. Scattered radiation
