

M.D. DEGREE EXAMINATION
BRANCH XXIV – NUCLEAR MEDICINE
PAPER III – RECENT ADVANCES IN NUCLEAR
MEDICINE–INSTRUMENTATION RADIO–PHARMACY AND
CLINICAL APPLICATIONS

Q.P. Code: 203003

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. PSMA PET and Radionuclide Therapy in Prostate Cancer.
2. Radioisotopes for bone pain palliation.

II. Write notes on:

(10 x 7 = 70)

1. Spectrum of Benign Bone Conditions on NaF-PET.
2. PET imaging in neurodegenerative disease.
3. Myocardial Metabolic Imaging.
4. Management of neuroendocrine tumours.
5. Radiopharmaceuticals for tumor imaging.
6. Reporter Genes for Imaging.
7. Intra-Arterial Radionuclide Therapies for Liver Tumors.
8. Management of differentiated thyroid cancers.
9. PET in RT planning.
10. Newer PET tracers for oncology imaging.
