

[LS 123]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 3019

M.D. DEGREE EXAMINATION

BRANCH XXIV – NUCLEAR MEDICINE

**PAPER IV – RECENT ADVANCES IN NUCLEAR MEDICINE IMAGING AND
RADIONUCLIDE THERAPY**

Q.P. Code: 203019

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Nuclear medicine in COVID-19
2. Response evaluation in immunotherapy.

II. Write notes on:

(10 x 7 = 70)

1. Imaging in neuroinflammation.
2. Ga-68 labelled newer radiopharmaceuticals.
3. Artificial intelligence
4. Targeted alpha therapy
5. Imaging in large vessel vasculitis
6. PET guided biopsy
7. Myeloablative therapy in neuroblastoma
8. Principles of PET-RT planning
9. Imaging in pancreatic tumours
10. Digital PETCT
