

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 0723]**

**JULY 2023  
(MAY 2023 EXAM 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. Discuss in detail about Amyloid PET.
2. T Cell PET imaging.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Gallium 68 based newer tracers.
2. Tracer kinetic analysis in oncology.
3. Musculoskeletal infection imaging.
4. VISION Trial.
5. Total body PET.
6. MET PET, FET PET.
7. FAPI in lymphoma, and its therapeutic implications.
8. Imaging in Mesenchymal tumors.
9. Advances in parathyroid imaging.
10. Artificial intelligence and its clinical implications.

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