

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

**[AHS 1023]**

**OCTOBER 2023**

**Sub. Code: 2312**

**M.Sc. NUCLEAR MEDICINE TECHNOLOGY  
SECOND YEAR (From 2020-2021 onwards)  
PAPER II – CLINICAL NUCLEAR MEDICINE TECHNIQUES – II**

*Q. P. Code: 282312*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL Questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe I-131 high dose therapy indications, pre and post therapy instructions to patients.
2. Describe F-18 FDG PET CT imaging, indications and procedure for oncology imaging. Explain about cardiac viability preparation for FDG.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Explain Ga-68 DOTANOC imaging and indications.
2. Explain Ga-68 PSMA preparation.
3. TRODAT SPECT CT indications.
4. Explain parathyroid scintigraphy.
5. Explain lacrimal scintigraphy.
6. Explain gastric emptying scintigraphy.
7. Explain DMSA imaging.
8. Explain WBC imaging.
9. Explain 3-phase bone scintigraphy with indications.
10. Explain DTPA – GFR plasma clearance study.

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