

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

**[MD 1224]**

**DECEMBER 2024  
(OCTOBER 2024 EXAM SESSION)**

**Sub. Code: 4070**

**M.D. DEGREE EXAMINATION**

**NUCLEAR MEDICINE**

**PAPER II – DIAGNOSTIC NUCLEAR MEDICINE**

*Q.P. Code: 204070*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Response assessment criteria in Lymphoma.
2. Functional Imaging in cardiac inflammation.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Large vessel vasculitis and FDG PET.
2. CSF shunt study.
3. Myocardial innervation – Imaging.
4. Nuclear Medicine in Obstructive uropathy.
5. Tracers in Neurodegenerative disease.
6. Indications and principle of MUGA.
7. Imaging in GI bleed.
8. Lung perfusion study.
9. Staging of lung cancer.
10. Pediatric skeletal imaging.

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

**[MD 1025]**

**OCTOBER 2025**

**Sub. Code: 4070**

**M.D. DEGREE EXAMINATION**

**NUCLEAR MEDICINE**

**PAPER II – DIAGNOSTIC NUCLEAR MEDICINE**

***Q.P. Code: 204070***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Imaging in Neuro endocrine tumours.
2. Thyroid cancer staging and usefulness of functional imaging.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Imaging in hematological malignancies.
2. Radiopharmaceuticals used for Liver and biliary scintigraphy.
3. Ventilation perfusion scintigraphy.
4. PET-CT imaging in colorectal malignancy.
5. Renal transplant scintigraphy.
6. Role of PET-CT in Carcinoma of unknown primary.
7. Sentinel Lymph node scintigraphy.
8. Imaging in seizure disorders.
9. Testicular imaging.
10. Cardiac Sarcoidosis.

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