

NUCLEAR MEDICINE

PAPER - III

NM/D/13/24/III

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. Classify focal hepatic lesions. Describe various radionuclide procedures and their imaging findings in arriving at the diagnosis. 2+4+4
2. Role of PET-CT in Head and Neck malignancies. 10
3. a) Dacrosintigraphy 5+5
b) Radionuclide cysternography
4. Discuss the role of MIBG in the diagnosis and management of NETs. 10
5. Describe role of skeletal scintigraphy using SPECT/CT in sports injuries. 10
6. PET-CT in undiagnosed fever. 10
7. Diagnostic algorithm in work up of antenatally detected hydronephrosis with emphasis on radionuclide procedures. 10
8. PET and SPECT in management of Epilepsy. 10
9. Enumerate various modalities used in the assessment of myocardial viability. Describe in detail the two commonly done radionuclide procedures with interpretation criteria. 5+5
10. Role of Nuclear Medicine in the evaluation of: 5+5
a) Solitary Thyroid Nodule
b) Solitary Pulmonary Nodule
