

NUCLEAR MEDICINE

PAPER – II

NM/J/16/24/II

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. a) Significance of intervention in Nuclear Medicine. 3+4+3
b) Enumerate various interventional procedures.
c) Write briefly on a non imaging intervention.
2. Role of PET-CT in carcinoma breast and carcinoma ovary. 5+5
3. a) Role of Nuclear Medicine in PE. 4+6
b) What is PIOPED classification? Give its significance in clinical scenario.
4. a) Ga⁶⁸ DOTA-NOC 2.5x4
b) Tc 99m Sulfur colloid
c) Lu 177 PSMA
d) I¹²⁴
5. Myocardial perfusion studies Vs RNV. 5+5
6. Role of PET-CT in infections. 10
7. a) What do you understand by artifacts? 2+6+2
b) How does it affect in Nuclear Medicine?
c) How will you correct it? Give one example.
8. Role of Nuclear Medicine in epileptic disorders. 10
9. How does Nuclear Medicine play an effective role in the evaluation of brain tumours? 10
10. Mechanism of localization of radiopharmaceutical in Nuclear Medicine. Enumerate with example. 10
