

NUCLEAR MEDICINE

PAPER-II

TIME:3HOURS
Max. Marks:100

NM/F/II/2007/2

Attempt all questions in order.

Each question carries 10 marks.

Write short notes on:

1. The mechanisms of localization of radiopharmaceuticals
2. Generator produced radionuclides
3. Physical properties of technetium 99m
- ~~4. Radionuclide used in therapy of tumors~~
5. Iodination of protein
6. Labeling methods of Red blood cells
7. Quality control of radiopharmaceuticals
8. Production of ^{18}F flurodeoxy glucose
9. Preparation of Tc-99 mm MIBI
10. Anatomy & physiology of kidney