

NUCLEAR MEDICINE

PAPER-III

TIME:3HOURS

Max. Marks:100

NM/F/II/2007/3

Attempt all questions in order.

Each question carries 10 marks.

Write short notes on:

1. Indications for bone scan
2. Flare phenomenon
3. Hyperparathyroidism – Tc 99m MIBI imaging
4. Cerebral perfusion SPECT study –procedure for Tc99m HMPAO or Tc 99m ECD
5. Drugs causing decreased uptake of radioactive iodine in thyroid gland
6. Principle of PET imaging with F18 FDG
7. Myocardial perfusion imaging with Tc 99m MIBI SPECT acquisition and reconstruction parameters
8. Modified PIOPED criteria for pulmonary embolism diagnosis-high and intermediate probability
9. Tc 99m Red Blood cell scan for gastrointestinal bleeding protocol
10. Dynamic renal scintigraphy with Tc 99m DTPA and GFR calculation