## NUCLEAR MEDICINE PAPER – III

NUC.MED/APRIL/16/24/III

Time : 3 hours Max. Marks : 100 Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the guestion 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.	How would you manage pulmonary metastasis from differentiated carcinoma thyroid in children in the light of new 2015 ATA guidelines?	10
2.	Use of Nuclear Medicine techniques in: a) Hyperparathyroidism. b) Pleural mesothelioma.	5 5
3.	Role of Nuclear Medicine in the management of neuroblastomas.	10
4.	Nuclear medicine in the diagnosis of: a) Meningiomas. b) Fever of unknown origin.	5 5
5.	Management of Graves' ophthalmopathy.	10
6.	Various tyrosine kinase inhibitors in the management of radio- iodine resistant thyroid cancer.	10
7.	a) Ra-223 b) Lu-177	5 5
8.	Radionuclide imaging of early breast cancer stage(I/II).	10
9.	Role of FDG PET/CT in the management of stage III/IV non-small cell lung cancer (NSCLC).	10
10.	A 45-year-old male non-smoker recently developed level II (R) nodal mass. On FNAC it turns out to be SCC. What shall be the Nuclear Medicine technique(s) in the management of this patient?	10

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