NUCLEAR MEDICINE

PAPER - IV

NUC.MED/APRIL/16/24/IV

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) Principles of MR imaging.b) Indications of PET/MR in oncology.	7+3
2.	Detection of low-grade glioma using radionuclide imaging.	10
3.	Role of nuclear medicine imaging in management of cases of PUJ obstruction both in adults and children.	10
4.	Salient features of ATA 2015 Guidelines for Differentiated thyroid cancer.	10
5.	Role of nuclear medicine techniques in Ca ovary.	10
6.	a) Familial MTCb) Functional pancreatic NET	5 5
7.	a) CT dose index (CTDI)b) Attenuation correction in PET/MR.	5 5
8.	Compare and contrast amyloid imaging and Tau imaging in dementias.	5+5
9.	a) Hippocampal sclerosis.b) Hemimegalencephaly	5 5
10.	Post radioiodine patient release guidelines - India vs USA.	5+5
