

National Board of Examinations

Question Paper Name : DNB Nuclear Medicine Paper3
Subject Name : DNB Nuclear Medicine Paper3
Duration : 182
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0
Is Section Default? : No

Question Number : 1 Question Id : 32718744998 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Enumerate tracers used for (a) hypoxia and (b) angiogenesis imaging, with their respective clinical applications. [5+5]

Question Number : 2 Question Id : 32718744999 Consider As Subjective : Yes

Enumerate the patient preparation, procedure and radiopharmaceuticals used for cardiac infection/ inflammation imaging. [10]

Question Number : 3 Question Id : 32718745000 Consider As Subjective : Yes

Explain nuclear medicine methods in evaluation of renal obstruction and GFR estimation. [10]

Question Number : 4 Question Id : 32718745001 Consider As Subjective : Yes

- a) Radioimmunoassay and IRMA. [5]
- b) Thyroid cancer genomics. [5]

Question Number : 5 Question Id : 32718745002 Consider As Subjective : Yes

Discuss nuclear medicine evaluation in epilepsy and Parkinson's disease. [5+5]

Question Number : 6 Question Id : 32718745003 Consider As Subjective : Yes

Define RR-DTC and TENIS. Enumerate the clinical strategies and algorithm for diagnostic imaging and therapies in RR-DTC. [10]

Question Number : 7 Question Id : 32718745004 Consider As Subjective : Yes

Role of nuclear medicine in evaluation of:

- a) Hypertension. [5]
- b) Cardiac prosthesis infection imaging. [5]

Question Number : 8 Question Id : 32718745005 Consider As Subjective : Yes

Compare RECIST, PERCIST, and iRECIST criteria for therapy response evaluation. [10]

Question Number : 9 Question Id : 32718745006 Consider As Subjective : Yes

PET/CT in lymphoma - staging, response and prognostic evaluation. [10]

Question Number : 10 Question Id : 32718745007 Consider As Subjective : Yes

Discuss Peptide Receptor Radionuclide therapy (PRRT):

- a) Principles and procedure. [5]
- b) Indications. [2]
- c) Side-effects and their management. [3]