

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Nuclear Medicine Paper3
<b>Subject Name :</b>	DNB Nuclear Medicine Paper3
<b>Creation Date :</b>	2024-10-19 17:56:12
<b>Duration :</b>	180
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<b>Display Marks:</b>	No
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<b>Actual Answer Key :</b>	No

## DNB Nuclear Medicine Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872767
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
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<b>Break time :</b>	0
<b>Group Marks :</b>	100

## DNB Nuclear Medicine Paper3

<b>Section Id :</b>	3271872770
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872774
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 32718728954 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

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. a) Discuss in brief the different SPECT and PET tracers used for imaging thyroid neoplasms. [6]
- b) Discuss the management of medullary carcinoma thyroid. [4]

**Question Number : 2 Question Id : 32718728955 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Discuss the different management options in paediatric patients with Graves' disease. [10]

**Question Number : 3 Question Id : 32718728956 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Nuclear medicine scans in medical emergency situations. [5]
- b) Urea breath test. [5]

**Question Number : 4 Question Id : 32718728957 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Discuss the diagnostic evaluation and treatment options in patients with radioactive iodine refractory thyroid cancer. [10]

**Question Number : 5 Question Id : 32718728958 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) RECIST v1.1. [5]
- b) SIRT vs TACE. [5]

**Question Number : 6 Question Id : 32718728959 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) PET/CT imaging in response evaluation of lymphomas. [5]
- b) PETNET scoring. [5]

**Question Number : 7 Question Id : 32718728960 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe the different Standardized Uptake Value (SUV) and factors affecting SUV. [5]
- b) Plasma sample method for GFR estimation. [5]

**Question Number : 8 Question Id : 32718728961 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Nuclear medicine imaging in tumor induced osteomalacia. [5]
- b) Nuclear medicine imaging in epilepsy. [5]

**Question Number : 9 Question Id : 32718728962 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Enumerate acute and long-term adverse events of peptide receptor radionuclide therapy (PRRT) and write in brief about their management. [10]

**Question Number : 10 Question Id : 32718728963 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Nuclear medicine in management of neuroblastoma. [5]
- b) Management of Supraventricular Tachycardia. [5]