

# 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>	2021-08-26 19:34:06
<b>Duration :</b>	180
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No

## DNB Nuclear Medicine Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	327187271
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No

## DNB Nuclear Medicine Paper3

<b>Section Id :</b>	327187274
<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>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	327187278
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 3271871230 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Sodium [<sup>18</sup>F] Fluoride Imaging in non-skeletal conditions. [5]
- b) <sup>99m</sup>Tc- DTPA vs. EC vs. MAG3 renography- their advantages and disadvantages. [5]

**Question Number : 2 Question Id : 3271871231 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Role of Nuclear Medicine in the evaluation of drug addiction. [5]
- b) Current management of Radioiodine refractory DTC. [5]

**Question Number : 3 Question Id : 3271871232 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Describe the role of nuclear imaging in musculoskeletal diseases, particularly the non oncological applications. [10]

**Question Number : 4 Question Id : 3271871233 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Adrenocortical imaging. [5]
- b) Classification of Pancreatic neuroendocrine tumors (panNET). [5]

**Question Number : 5 Question Id : 3271871234 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Principles of Radio-immuno- therapy, its limitations and achievements. [10]

**Question Number : 6 Question Id : 3271871235 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Lewy body dementia. [2.5]
- b) Fronto-temporal dementia. [2.5]
- c) Posterior Cingulate sign. [2.5]
- d) Gelastic Seizures. [2.5]

**Question Number : 7 Question Id : 3271871236 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Describe the metabolomic and genomic landscapes of Non-small Cell lung cancers. [5]
- b) Staging of Adenocarcinoma of prostate as per AJCC 8th Edition. [5]

**Question Number : 8 Question Id : 3271871237 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Nuclear Medicine in the evaluation of jaundice in a 6-week old new born. [10]

**Question Number : 9 Question Id : 3271871238 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Scintigraphic evaluation for the management of Tuberculosis. [5]
- b) Clinical activity scores in the management of Graves' ophthalmopathy. [5]

**Question Number : 10 Question Id : 3271871239 Question Type : SUBJECTIVE**

**Correct Marks : 10**

What is viability studies? Why it is clinically important? Describe the investigations in the evaluation of myocardial viability. [10]