

# 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>	2024-05-17 19:22:15
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Nuclear Medicine Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871980
<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>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DNB Nuclear Medicine Paper3

<b>Section Id :</b>	3271871983
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<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>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271871987
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718719422 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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. Define Three phase bone scintigraphy, procedure and indications. Is pin-hole imaging still relevant in some bone disease? [4+6]

**Question Number : 2 Question Id : 32718719423 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Renal scintigraphy in a patient after kidney transplant. [10]

**Question Number : 3 Question Id : 32718719424 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Discuss various factors leading to False Positive and False Negative FDG PET/CT Imaging.

[2.5+2.5]

b) Discuss in details about various factors affecting SUV. [5]

**Question Number : 4 Question Id : 32718719425 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Fibroblast activation protein inhibitors-based receptors Imaging using PET/CT. [10]

**Question Number : 5 Question Id : 32718719426 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Latest Bethesda classification in thyroid aspiration cytology. [5]

b) Current redifferentiation therapy in TENIS. [5]

**Question Number : 6 Question Id : 32718719427 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the critical role of PET/CT in various Gynecological malignancies. How to incorporate it in treatment algorithm. [5+5]

**Question Number : 7 Question Id : 32718719428 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What is Sentinel lymph node biopsy? How it is applied in the management of breast cancer? [3+7]

**Question Number : 8 Question Id : 32718719429 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Nuclear Medicine Imaging Techniques in myocardial viability. [10]

**Question Number : 9 Question Id : 32718719430 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Role of PET/CT in Alzheimer disease, dementia with Lewy bodies and frontotemporal lobar dementia. [5+3+2]

**Question Number : 10 Question Id : 32718719431 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) PET/CT imaging in multiple myeloma. [5]

b) Current generation of antibody-based PET/CT imaging. [5]