

# 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>	2022-12-26 13:13:08
<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>	3271871495
<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>	3271871498
<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>	3271871502
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718714142 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. Discuss the role of nuclear medicine in infection imaging. Describe the different SPECT and PET tracers used for infection imaging. [10]

**Question Number : 2 Question Id : 32718714143 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- Diuretic renal scintigraphy in evaluation of antenatal hydronephrosis. [5]
- Perfusion scan in evaluation of pulmonary embolism. [5]

**Question Number : 3 Question Id : 32718714144 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 child has presented with bleeding per rectum. Describe the reasons and discuss the role of various nuclear medicine imaging. [10]

**Question Number : 4 Question Id : 32718714145 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) Different interventions used in hepatobiliary scintigraphy. [5]

b) Various quantitative parameters in PET. [5]

**Question Number : 5 Question Id : 32718714146 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) Nuclear Medicine imaging in evaluation of sports injury. [5]

b) Myocardial blood flow and myocardial flow reserve. [5]

**Question Number : 6 Question Id : 32718714147 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) NET PET score. [5]

b) F-18 FDOPA imaging. [5]

**Question Number : 7 Question Id : 32718714148 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss non-FDG PET tracers in imaging of brain tumors and their clinical applications. [10]

**Question Number : 8 Question Id : 32718714149 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 different therapeutic options available for the treatment of Carcinoma Prostate. Discuss indications, advantages and disadvantages of each. [10]

**Question Number : 9 Question Id : 32718714150 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss the different management options of Graves's disease. Describe the role of radioactive iodine in paediatric patients with Graves's disease. [10]

**Question Number : 10 Question Id : 32718714151 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) Bone pain palliation. [5]

b) Acute and long-term complications of peptide receptor radionuclide therapy (PRRT). [5]