

National Board of Examinations

Question Paper Name :	DNB Nuclear Medicine Paper3
Subject Name :	DNB Nuclear Medicine Paper3
Creation Date :	2022-06-25 17:21:14
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Nuclear Medicine Paper3

Group Number :	1
Group Id :	3271871144
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Nuclear Medicine Paper3

Section Id :	3271871147
Section Number :	1

Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271871151
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710492 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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

- a) What are Neuroendocrine tumors? [2]
b) Nuclear Medicine imaging modalities used for NET. [8]

Question Number : 2 Question Id : 32718710493 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

PET-CT in multiple myeloma. [10]

Question Number : 3 Question Id : 32718710494 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe various treatment response evaluation criteria using PET-CT. [10]

Question Number : 4 Question Id : 32718710495 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What is a Cholecystogogue? What role does it play in various hepatobiliary and cardiac related Nuclear studies? [5]
- b) What is the specificity of hepatobiliary scintigraphy in biliary atresia? Explain. [5]

Question Number : 5 Question Id : 32718710496 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Principle of Regadenoson based pharmacological cardiac stress. [3]
- b) Pros and Cons: Adenosine Vs regadenoson induced stress tests. [3]
- c) How is the adequacy of the stress ensured in physical stress versus pharmacological cardiac stress tests? [4]

Question Number : 6 Question Id : 32718710497 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) PET-CT imaging in fever of unknown origin. [5]
- b) SPECT-CT in infection and inflammation. [5]

Question Number : 7 Question Id : 32718710498 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) PET-CT in parathyroid imaging. [7]
- b) Advantages and disadvantages of PET-CT over SPECT-CT in parathyroid imaging. [3]

Question Number : 8 Question Id : 32718710499 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Role of I-131 MIBG in the management of Neuroblastoma. [10]

Question Number : 9 Question Id : 32718710500 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) TACE Vs TARE in HCC. [5]

b) Pharmacological drug interventions in GIT and renal imaging. [5]

Question Number : 10 Question Id : 32718710501 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Hypoxia imaging using PET-CT. [5]

b) What is the role of radionuclide part of radiopharmaceutical in enhancing the hypoxia imaging characteristics of a radiopharmaceutical? [5]