

National Board of Examinations

Question Paper Name :

DNB Nuclear Medicine Paper4

Subject Name :

DNB Nuclear Medicine Paper4

Duration :

180

Total Marks :

100

Display Marks:

No

Maximum Instruction Time :

0

Question Number : 1 Question Id : 32718733284 Consider As Subjective : Yes

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) How to treat a child of thyroid cancer with diffuse pulmonary metastases and special consideration, if any? [5]
b) Rules and recommendations in performing a NM procedure or therapy in a lactating mother. [5]

Question Number : 2 Question Id : 32718733285 Consider As Subjective : Yes

- a) What is theranostic? Describe various theranostic pair used in nuclear medicine. [5]
b) Classify the work places in nuclear medicine facility and explain briefly about work place monitoring. [5]

Question Number : 3 Question Id : 32718733286 Consider As Subjective : Yes

Design a nuclear medicine facility having SPECT and PET facility with an illustrated diagram. Enumerate the structural details of construction as per AERB guidelines. [10]

Question Number : 4 Question Id : 32718733287 Consider As Subjective : Yes

- a) PET/CT imaging in hyperparathyroidism. [5]
b) Genetic effects of radiation. [5]

Question Number : 5 Question Id : 32718733288 Consider As Subjective : Yes

- a) Targeted alpha therapy. [5]
b) TENIS and its management as per latest ATA guidelines. [5]

Question Number : 6 Question Id : 32718733289 Consider As Subjective : Yes

- a) Recent clinical implications of 68 Ga FAPI in imaging and therapy. [5]
- b) Nuclear cardiology techniques in cardiac arrhythmias. [5]

Question Number : 7 Question Id : 32718733290 Consider As Subjective : Yes

Discuss the role of PET/CT in infections and inflammations. [10]

Question Number : 8 Question Id : 32718733291 Consider As Subjective : Yes

- a) PET-NET score. [5]
- b) Axillary reverse mapping. [5]

Question Number : 9 Question Id : 32718733292 Consider As Subjective : Yes

- a) Role of PET-CT in myositis. [5]
- b) PIRADS. [5]

Question Number : 10 Question Id : 32718733293 Consider As Subjective : Yes

Describe radionuclides therapy using various radiopharmaceuticals in prostate cancer. [10]