

National Board of Examinations

Question Paper Name :	DNB Radio Diagnosis Paper4
Subject Name :	DNB Radio Diagnosis Paper4
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Actual Answer Key :	No

DNB Radio Diagnosis Paper4

Group Number :	1
Group Id :	327187687
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Radio Diagnosis Paper4

Section Id :	327187690
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 : 327187694

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 3271875952 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. Briefly describe the techniques of MR neurography & Black Blood Imaging of Brain. [5+5]

Question Number : 2 Question Id : 3271875953 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 use of isotopes in evaluation of thyroid lesions. [10]

Question Number : 3 Question Id : 3271875954 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 are the advantages and limitations of 3T over 1.5T MRI? Briefly discuss MRI safety. [6+4]

Question Number : 4 Question Id : 3271875955 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) Role of sonoelastography in Obstetrics and gynaecology. [5]

b) Pulmonary MRI. [5]

Question Number : 5 Question Id : 3271875956 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) Hand Held Digital Radiography System. [5]

b) Mobile CT scan and its applications. [5]

Question Number : 6 Question Id : 3271875957 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 are the limitations of standard coronary CT scan with a retrospective ECG gated acquisition?

Describe the current & novel imaging strategies to overcome these limitations. [5+5]

Question Number : 7 Question Id : 3271875958 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 various techniques and methods to reduce radiation dose to patients during radiography and CT scans? [5+5]

Question Number : 8 Question Id : 3271875959 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 post mortem imaging & its applications. [10]

Question Number : 9 Question Id : 3271875960 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) Hepatobiliary MRI contrast agents. [5]

b) CT enterography. [5]

Question Number : 10 Question Id : 3271875961 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) Beam restricting devices. [5]

b) Thermionic emission in X-ray production. [5]