

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Radio Diagnosis Paper4
<b>Subject Name :</b>	DNB Radio Diagnosis Paper4
<b>Creation Date :</b>	2024-05-18 18:52:10
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Radio Diagnosis Paper4

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872043
<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 Radio Diagnosis Paper4

<b>Section Id :</b>	3271872046
<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>	3271872050
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718720102 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. What is High Intensity Focused Ultrasound (HIFU)? What are the advantages of MR guided HIFU over US guided HIFU? Enumerate the various clinical indications where it is being used. [3+3+4]

**Question Number : 2 Question Id : 32718720103 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 role of ultrasound elastography in the evaluation of breast pathologies. [10]

**Question Number : 3 Question Id : 32718720104 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 types of sampling methods in research methodology? Describe them in brief. [10]

**Question Number : 4 Question Id : 32718720105 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 in brief the technique of MR enterography. Enumerate its various indications. [6+4]

**Question Number : 5 Question Id : 32718720106 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 in brief various artifacts seen on computed tomography. [10]

**Question Number : 6 Question Id : 32718720107 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Name non-ionic water-soluble contrast agents. Describe them in brief. How are they superior to ionic water-soluble contrast agents? [3+4+3]

**Question Number : 7 Question Id : 32718720108 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) What do you understand by quality assurance in diagnostic radiology and what are its aims? [5]
- b) Radiation protection of the personnel in diagnostic radiology. [5]

**Question Number : 8 Question Id : 32718720109 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 four major components of PACS? Describe teleradiology in brief. [4+6]

**Question Number : 9 Question Id : 32718720110 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 role of interventional radiology in the diagnosis and the treatment of biliary strictures. [10]

**Question Number : 10 Question Id : 32718720111 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 the molecular imaging techniques used in evaluation of pancreatic neuro-endocrine tumours. [5]

b) Describe the role of endoscopic ultrasound in oesophageal neoplasms. [5]