

National Board of Examinations

Question Paper Name : DNB Radio Diagnosis Paper4
Subject Name : DNB Radio Diagnosis Paper4
Duration : 182
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0
Is Section Default? : No

Question Number : 1 Question Id : 32718745431 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) Bronchial artery embolisation. [5]
- b) HIDA scan. [5]

Question Number : 2 Question Id : 32718745432 Consider As Subjective : Yes

- a) Advantage of 3 Tesla MRI over 1.5 Tesla and its limitations. [5]
- b) Advantages and disadvantages of CR and DR imaging. [5]

Question Number : 3 Question Id : 32718745433 Consider As Subjective : Yes

Discuss the steps to reduce the radiation dose in CT. [10]

Question Number : 4 Question Id : 32718745434 Consider As Subjective : Yes

- a) Role of MRI perfusion in brain tumors. [5]
- b) Principles of RF ablation. [5]

Question Number : 5 Question Id : 32718745435 Consider As Subjective : Yes

- a) Cartilage imaging in MRI. [5]
- b) Zero TE MR (ZTE) and its applications. [5]

Question Number : 6 Question Id : 32718745436 Consider As Subjective : Yes

Discuss the hazards related to MR imaging and the safety considerations in a MRI facility. [10]

Question Number : 7 Question Id : 32718745437 Consider As Subjective : Yes

- a) MRI contrast media. [5]
- b) Types of contrast in bowel preparation for CT examination. [5]

Question Number : 8 Question Id : 32718745438 Consider As Subjective : Yes

- a) Randomized control trial. [5]
- b) Radiological anatomy of neck spaces. [5]

Question Number : 9 Question Id : 32718745439 Consider As Subjective : Yes

- a) Photon counting CT. [5]
- b) Mammography tube. [5]

Question Number : 10 Question Id : 32718745440 Consider As Subjective : Yes

- a) PC-PNDT Act. [5]
- b) Thermoluminescent dosimeter (TLD). [5]