

National Board of Examinations

Question Paper Name : DNB Radio Diagnosis Paper4

Is this Group for Examiner? : No

Enable Mark as Answered Mark for Review and Clear Response : Yes

Question Number : 1 Question Type : SUBJECTIVE

Draw a labeled diagram of X-Ray tube. Discuss the functioning of the X-ray tube. Discuss various causes of tube failure. [3+4+3]

Question Number : 2 Question Type : SUBJECTIVE

- a) X-Ray film. [5]
- b) Computed Radiography (CR) system. [5]

Question Number : 3 Question Type : SUBJECTIVE

- a) Ultrasound Contrast Agents. [5]
- b) CT enteric contrast media. [5]

Question Number : 4 Question Type : SUBJECTIVE

Discuss the various techniques of cartilage imaging. Enumerate common sites of Osteochondral lesions and describe their imaging features. [4+(2+4)]

Question Number : 5 Question Type : SUBJECTIVE

- a) Discuss about ALARA and eLORA. [5]
- b) HIFU- Principle and clinical uses. [5]

Question Number : 6 Question Type : SUBJECTIVE

Write in detail, the various interventional techniques used to manage malignant hepatic mass lesion. [10]

Question Number : 7 Question Type : SUBJECTIVE

What are Radiation dose limits for Radiation worker and general population? Discuss Radiation Protection measures to be carried out in a radiology department for (a) staff (b) patient (c) general population. [2+(3+3+2)]

Question Number : 8 Question Type : SUBJECTIVE

- a) PET-CT in oncology. [5]
- b) Management of contrast reactions in a CT setup. [5]

Question Number : 9 Question Type : SUBJECTIVE

- a) Principle of Color Doppler imaging. [5]
- b) Principle and Pitfalls of Time of Flight- MRA. [5]

Question Number : 10 Question Type : SUBJECTIVE

- a) Scintigraphy in cardiac imaging. [5]
- b) Diffusion weighted imaging. [5]