

# National Board of Examinations

|                                                |                                |
|------------------------------------------------|--------------------------------|
| <b>Question Paper Name :</b>                   | Diploma Radio Diagnosis Paper1 |
| <b>Subject Name :</b>                          | Diploma Radio Diagnosis Paper1 |
| <b>Creation Date :</b>                         | 2023-12-16 12:38:12            |
| <b>Duration :</b>                              | 180                            |
| <b>Share Answer Key With Delivery Engine :</b> | No                             |
| <b>Actual Answer Key :</b>                     | No                             |

## Diploma Radio Diagnosis Paper1

|                                      |            |
|--------------------------------------|------------|
| <b>Group Number :</b>                | 1          |
| <b>Group Id :</b>                    | 3271872652 |
| <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         |

## Diploma Radio Diagnosis Paper1

|                         |            |
|-------------------------|------------|
| <b>Section Id :</b>     | 3271872655 |
| <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>                                             | 3271872659 |
| <b>Question Shuffling Allowed :</b>                                 | No         |
| <b>Is Section Default? :</b>                                        | null       |

**Question Number : 1 Question Id : 32718727224 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 the radiological anatomy of various compartments of the peritoneal cavity with their clinical relevance. Draw a neat labeled diagram of supra-colic compartment. [7+3]

**Question Number : 2 Question Id : 32718727225 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 construction of the X-ray tube and draw a labelled diagram of the same. Enumerate the advantages of rotating anode. [(6+2)+2]

**Question Number : 3 Question Id : 32718727226 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 technique and indications of single contrast barium swallow. What are the various vascular impressions on esophagus seen on barium swallow? [(3+3)+4]

**Question Number : 4 Question Id : 32718727227 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 zoning in an MR facility. Enlist four medical devices which are relatively/absolutely contraindicated while performing MRI. [8+2]

**Question Number : 5 Question Id : 32718727228 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) Draw a neat labeled diagram of the normal anatomy of Circle of Willis. [3]

b) Discuss the radiological evaluation of a suspected case of subarachnoid hemorrhage. [7]

**Question Number : 6 Question Id : 32718727229 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Enlist the various radiation units. What are the limits of occupational exposure specified by the AERB? [5+5]

**Question Number : 7 Question Id : 32718727230 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 the technique of HRCT lung. Describe the anatomy of secondary pulmonary lobule on HRCT. [5+5]

**Question Number : 8 Question Id : 32718727231 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

**Correct Marks : 10**

Write briefly the protocols for CT urography to be used in a case of hematuria. What is the advantage of split bolus technique? [8+2]

**Question Number : 9 Question Id : 32718727232 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

**Correct Marks : 10**

Write the full form of 'PC-PNDT' Act. What are its main objectives? List the responsibilities of the radiologists under this Act. What is meant by Form F? [(2+2)+4+2]

**Question Number : 10 Question Id : 32718727233 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 principle of ultrasound elastography and discuss the various types of elastography. Discuss the role of elastography in evaluation of liver disease. [(3+4)+3]