

National Board of Examinations

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Diploma Radio Diagnosis Paper1
Subject Name :	Diploma Radio Diagnosis Paper1
Creation Date :	2024-06-15 20:32:44
Duration :	180
Total Marks :	100
Display Marks:	No
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

Diploma Radio Diagnosis Paper1

Group Number :	1
Group Id :	3271872664
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

Diploma Radio Diagnosis Paper1

Section Id :	3271872667
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10

Number of Questions to be attempted : 10
Section Marks : 100
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 3271872671
Question Shuffling Allowed : No

Question Number : 1 Question Id : 32718732724 Question Type : SUBJECTIVE Consider As Subjective : Yes

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. a) Enumerate the various suprahyoid neck spaces and illustrate them with well labelled diagram. [2+3]
b) Discuss the differentials and imaging features of the pathologies affecting the parapharyngeal space (PPS). [2+3]

Question Number : 2 Question Id : 32718732725 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe briefly the anatomy of abdominal aorta along with illustrative diagram. [4]
b) Discuss the imaging features of mesenteric ischemia. [6]

Question Number : 3 Question Id : 32718732726 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Contrast induced nephropathy. [5]
b) MR Zoning. [5]

Question Number : 4 Question Id : 32718732727 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Discuss the indications and procedural details of barium swallow study. [2+4]
b) Describe the imaging appearance of esophageal diverticuli on barium swallow study. [4]

Question Number : 5 Question Id : 32718732728 Question Type : SUBJECTIVE Consider As

Subjective : Yes

Correct Marks : 10

- a) Discuss the principles of digital radiography (DR) including the types of DR and the image detectors used. [5]
- b) What are the differences between Computed Radiography (CR) and Digital Radiography (DR)? [5]

Question Number : 6 Question Id : 32718732729 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Dose measurement parameters in CT. [4]
- b) Methods of dose reduction in CT. [6]

Question Number : 7 Question Id : 32718732730 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What are the biological effects of radiation and their relation to radiation dose? [4+2]
- b) Describe the construct and principles of usage of TLD badge. [4]

Question Number : 8 Question Id : 32718732731 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Briefly discuss the principle of ultrasound elastography. [5]
- b) Discuss the doppler indices in assessment of fetal growth restriction. [5]

Question Number : 9 Question Id : 32718732732 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Briefly discuss the principles and any 2 applications of:

- a) Chemical Shift Imaging. [2+3]
- b) Diffusion weighted Imaging. [2+3]

Question Number : 10 Question Id : 32718732733 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) CT Enterography. [5]
- b) HRCT Chest. [5]