

National Board of Examinations

Question Paper Name :	DrNB INTERVENTIONAL RADIOLOGY Paper1
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Actual Answer Key :	No

DrNB INTERVENTIONAL RADIOLOGY Paper1

Group Number :	1
Group Id :	3271871536
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB INTERVENTIONAL RADIOLOGY Paper1

Section Id :	3271871539
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271871543
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718714552 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. a) Describe Splenoportal Anatomy. [3]
- b) Discuss the variations of portal anatomy. [3]
- c) Discuss the various porto-systemic pathways in portal hypertension. [4]

Question Number : 2 Question Id : 32718714553 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 principle of Dyna CT. [3]
- b) Discuss various applications of Dyna-CT. [4]

c) Discuss advantages and disadvantages of Dyna-CT. [3]

Question Number : 3 Question Id : 32718714554 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) Describe various access sites used in IR practice. [3]
- b) Discuss the radial access technique and its advantages. [4]
- c) Describe various complications of access site puncture. [3]

Question Number : 4 Question Id : 32718714555 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 various methods of radiation protection used for patient during IR procedure. [5]
- b) Outline AERB regulatory requirements and its initiation for establishing new Biplane DSA lab for Interventional radiology facilities. [5]

Question Number : 5 Question Id : 32718714556 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) Name type of Balloon catheters and the materials used for each of them. [3]
- b) What are the advantages and disadvantages of each type of balloon catheters? [4]
- c) What is cutting balloon catheter and describe its applications? [3]

Question Number : 6 Question Id : 32718714557 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) Define Upper and lower GI bleed and discuss various causes. [3]

- b) Discuss the methods used to evaluate GI bleed. [3]
- c) Discuss the vascular anatomy of upper and lower GI bleed with relevance to GI bleed embolisation technique. [4]

Question Number : 7 Question Id : 32718714558 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 antiplatelets and anticoagulants used in IR practice. [3]
- b) Discuss the various thrombolytics used and their pro's and con's. [4]
- c) Describe various methods used to monitor the complications associated with these agents. [3]

Question Number : 8 Question Id : 32718714559 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) Describe the vascular supply of prostate gland and its relevance while performing Prostatic Artery Embolisation (PAE). [6]
- b) Describe methods and agents used in PAE. [4]

Question Number : 9 Question Id : 32718714560 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) Name the check-list used in pre-procedure work-up of IR procedure. [3]
- b) Name the relevant laboratory investigations performed in pre-procedure workup and its relevance. [4]
- c) Describe the role of pre-medication in preventing allergic contrast reactions. [3]

Question Number : 10 Question Id : 32718714561 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) Describe the classification of embolising agents. [3]
- b) Discuss the various types of flow-directed embolic agents. [3]
- c) Describe the flow-redistribution embolisation technique. [4]