

National Board of Examinations

Question Paper Name :	DNB Radiation Oncology Paper1
Subject Name :	DNB Radiation Oncology Paper1
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Actual Answer Key :	No

DNB Radiation Oncology Paper1

Group Number :	1
Group Id :	3271871397
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

DNB Radiation Oncology Paper1

Section Id :	3271871400
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 :	3271871404
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718713052 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. Describe the anatomy & Lymphatic drainage of nasopharynx and its importance in management of Ca nasopharynx. [10]

Question Number : 2 Question Id : 32718713053 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What do you understand by Beam modification in Radiotherapy? What are the different methods of beam modification? Discuss any two methods in detail. [2+3+5]

Question Number : 3 Question Id : 32718713054 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

ALARA:

- a) Principle of ALARA. [5]
- b) Enumerate the dose limits for exposure to occupational workers. [5]

Question Number : 4 Question Id : 32718713055 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 technique of total skin electron beam therapy(TSEBT). [4]
- b) Indications of TSEBT. [3]
- c) Sequelae of TSEBT. [3]

Question Number : 5 Question Id : 32718713056 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) Methodology, advantages and pitfall of meta-analysis. [5]
- b) What is Forest Plot? Describe it with the help of a diagram. [5]

Question Number : 6 Question Id : 32718713057 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What are the 3 levels of prevention? Explain each of them with respect to Carcinoma Cervix. [2+8]

Question Number : 7 Question Id : 32718713058 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 pathological findings in small round blue cell tumors. What are the various differential diagnosis of small round blue cell tumors? [5]
- b) Role of Radiotherapy in Retinoblastoma. [5]

Question Number : 8 Question Id : 32718713059 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) What is a fourth generation Linear accelerator (LINAC)? [2]
- b) LINAC Structure - draw a sketch. [4]
- c) Enumerate daily Quality Assurance tests done on a LINAC. [4]

Question Number : 9 Question Id : 32718713060 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Briefly describe role of artificial Intelligence in Radiotherapy. [10]

Question Number : 10 Question Id : 32718713061 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) Enumerate the options for solving problem of overlap in craniospinal irradiation (CSI). [4]
- b) Describe technique of CSI in detail. [6]