

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Radiation Oncology Paper3
<b>Subject Name :</b>	DNB Radiation Oncology Paper3
<b>Creation Date :</b>	2022-12-26 13:13:11
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Radiation Oncology Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871399
<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

## DNB Radiation Oncology Paper3

<b>Section Id :</b>	3271871402
<b>Section Number :</b>	1
<b>Section type :</b>	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 :** 3271871406

**Question Shuffling Allowed :** No

**Is Section Default? :** null

**Question Number : 1 Question Id : 32718713072 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. What are the indications of radiotherapy in grade 2 gliomas? Which molecular markers are prognostic and predictive of treatment response in primary brain gliomas? Outline the management of grade 3 oligodendroglioma. [4+4+2]

**Question Number : 2 Question Id : 32718713073 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) Compare Preoperative radiation therapy with post operative radiation therapy for soft tissue sarcomas. [5]

b) Write procedure of brachytherapy for soft tissue sarcomas. [5]

**Question Number : 3 Question Id : 32718713074 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) TACE. [3]

b) TARE. [3]

c) SBRT liver. [4]

**Question Number : 4 Question Id : 32718713075 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) Compare preoperative versus postoperative radiation in locally advanced rectal cancer. [3]

b) Compare long versus short course preoperative radiotherapy in rectal cancer. [3]

c) Write protocol of chemoradiotherapy for Ca. Rectum. [4]

**Question Number : 5 Question Id : 32718713076 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) Explain the interaction of Radiotherapy with Immunotherapy. [5]

b) Role of immunotherapy in Malignant Melanoma. [5]

**Question Number : 6 Question Id : 32718713077 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 indications, technique and clinical results of radiation therapy in Ewing's sarcoma of femur. [3+5+2]

**Question Number : 7 Question Id : 32718713078 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Enumerate the techniques of intracranial SRS/SRT. Describe the role of intracranial SRS/SRT in benign conditions. [3+7]

**Question Number : 8 Question Id : 32718713079 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) Radiation induced diarrhea. [4]
- b) Febrile Neutropenia. [3]
- c) Hypercalcemia. [3]

**Question Number : 9 Question Id : 32718713080 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) Radiosensitizers. [3]
- b) Radiomimetic drugs. [3]
- c) Radiation recall phenomenon. [4]

**Question Number : 10 Question Id : 32718713081 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 concurrent CTRT with respect to:

- a) Basis of the combination. [2]
- b) Various drugs used in combination. [3]

c) Clinical evidence with respect to usefulness. [5]