

# National Board of Examinations

**Question Paper Name :** DNB Radiation Oncology Paper3  
**Subject Name :** DNB Radiation Oncology Paper3  
**Duration :** 182  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0  
**Is Section Default? :** No

**Question Number : 1 Question Id : 32718745108 Consider As Subjective : Yes**

**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) Work up of grade III ependymoma. [3]
- b) Management of grade III ependymoma. [3]
- c) IMRT planning of grade III ependymoma. [4]

**Question Number : 2 Question Id : 32718745109 Consider As Subjective : Yes**

- a) T2 squamous cell skin cancer and its management. [5]
- b) Difference between squamous cell skin cancer and basal cell carcinoma. [5]

**Question Number : 3 Question Id : 32718745110 Consider As Subjective : Yes**

- a) Anatomy and lymphatic drainage of carcinoma esophagus. [5]
- b) Role of radiotherapy in management of upper one third carcinoma esophagus. [5]

**Question Number : 4 Question Id : 32718745111 Consider As Subjective : Yes**

- a) Short course vs long course radiotherapy in carcinoma rectum. [5]
- b) Targeted therapy in carcinoma rectum. [5]

**Question Number : 5 Question Id : 32718745112 Consider As Subjective : Yes**

- a) CDK4/6 inhibitors. [3]
- b) Rationale behind concurrent chemo-radiotherapy. [4]
- c) Radiosensitizer drugs. [3]

**Question Number : 6 Question Id : 32718745113 Consider As Subjective : Yes**

- a) Molecular markers in CNS tumors. [5]
- b) Radiotherapy in low grade glioma. [5]

**Question Number : 7 Question Id : 32718745114 Consider As Subjective : Yes**

- a) BRCA mutation and its clinical application. [5]
- b) Hereditary cancer syndrome. [5]

**Question Number : 8 Question Id : 32718745115 Consider As Subjective : Yes**

- a) Radiation mucositis and its grading. [5]
- b) Management of Gr 4 radiation mucositis in oral cavity malignancy while on chemoradiation. [5]

**Question Number : 9 Question Id : 32718745116 Consider As Subjective : Yes**

- a) Limb salvage in Ewing's sarcoma. [5]
- b) Lung bath. [5]

**Question Number : 10 Question Id : 32718745117 Consider As Subjective : Yes**

- a) Plaque radiotherapy. [5]
- b) Management of ocular melanoma. [5]