

# National Board of Examinations

**Question Paper Name :** DNB Radiation Oncology Paper1

**Is this Group for Examiner? :** No

**Enable Mark as Answered Mark for Review and Clear Response :** Yes

**Question Number : 1 Question Type : SUBJECTIVE**

- a) Anatomy of anal canal. [3]
- b) Lymphatic drainage of anal canal. [2]
- c) Describe management of loco regional carcinoma anal canal. [5]

**Question Number : 2 Question Type : SUBJECTIVE**

- a) Screening for carcinoma breast. [3]
- b) Oncotype Dx. [3]
- c) Briefly discuss various imaging modalities in management of carcinoma breast. [4]

**Question Number : 3 Question Type : SUBJECTIVE**

- a) Types of cancer registry. [5]
- b) Randomization. [2]
- c) Describe p-value, interim analysis and Forrest plot. [3]

**Question Number : 4 Question Type : SUBJECTIVE**

LINAC working principle, acceptance and commissioning tests. [4+3+3]

**Question Number : 5 Question Type : SUBJECTIVE**

- a) Adaptive Radiotherapy. [5]
- b) Liver SBRT. [5]

**Question Number : 6 Question Type : SUBJECTIVE**

- a) Enumerate various types of Ophthalmic plaque used in eye cancer, indications and modalities with special emphasis on development of indigenous plaque in India. [5]
- b) Describe Gamma Knife therapy, indications and briefly discuss how will you manage a case of solitary metastasis close to brain stem? [5]

**Question Number : 7 Question Type : SUBJECTIVE**

- a) Anatomical sites and lymphatic drainage of carcinoma oral cavity. [5]
- b) Changes between 7th and 8th edition AJCC staging for carcinoma oral cavity and its clinical implications. [5]

**Question Number : 8 Question Type : SUBJECTIVE**

- a) Accelerated partial breast irradiation: Indication, rationale, techniques and evidence. [5]
- b) Briefly discuss multicatheter interstitial brachytherapy in ca breast: Indications, technique, dose and complications. [5]

**Question Number : 9 Question Type : SUBJECTIVE**

- a) Dose Volume Histograms. [3]
- b) Its types. [3]
- c) Its advantages and disadvantages in radiation treatment planning. [4]

**Question Number : 10 Question Type : SUBJECTIVE**

Motion management strategies in radiotherapy. [10]