

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Surgical Oncology Paper1
<b>Subject Name :</b>	DrNB Surgical Oncology Paper1
<b>Creation Date :</b>	2025-01-17 20:02:54
<b>Duration :</b>	180
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Surgical Oncology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872866
<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>Break time :</b>	0
<b>Group Marks :</b>	100

## DrNB Surgical Oncology Paper1

<b>Section Id :</b>	3271872869
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872873
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 32718736504 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**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) Fractionation in radiotherapy. [5]
- b) Biological effectiveness of short-course vs long course radiotherapy and discuss its application with reference to rectal cancer. [5]

**Question Number : 2 Question Id : 32718736505 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe field cancerization (slaughter concept) and its implication on surgical treatment. [5]
- b) Discuss angiogenesis blockade as a modality of treatment for cancer. [5]

**Question Number : 3 Question Id : 32718736506 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Predictive tools for decision-making in chemotherapy. [5]
- b) Discuss MSI testing and its role in colorectal cancer. [5]

**Question Number : 4 Question Id : 32718736507 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) End-of-life care. [5]
- b) Current guidelines for withdrawal of life support in terminally ill patients in India. [5]

**Question Number : 5 Question Id : 32718736508 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss the cancer genome atlas and its uses. [5]
- b) Describe viral carcinogenesis. [5]

**Question Number : 6 Question Id : 32718736509 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Define pharmacogenetics and discuss its role in cancer treatment. [5]
- b) Chemoprevention in cancer. [5]

**Question Number : 7 Question Id : 32718736510 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Briefly discuss the driver mutations in lung cancer. [5]
- b) Describe smoking cessation strategies in chronic smokers. [5]

**Question Number : 8 Question Id : 32718736511 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Localization techniques for non-palpable masses in early breast cancer. [5]
- b) Discuss the genetic counselling for the daughters of a 55-year-old lady recently diagnosed with breast cancer whose mother had breast cancer. [5]

**Question Number : 9 Question Id : 32718736512 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss screening tools for oral cancer. [5]
- b) Current guidelines for screening of cervical cancer. [5]

**Question Number : 10 Question Id : 32718736513 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe the role of immunohistochemistry (IHC) in the diagnostic algorithm of soft tissue sarcomas. [4]
- b) Describe the mechanism of action of cell cycle regulation agents with three examples. [6]