

# 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>	2023-04-25 11:44:32
<b>Duration :</b>	180
<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>	327187845
<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

## DrNB Surgical Oncology Paper1

<b>Section Id :</b>	327187848
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	327187852
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718721093 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

1. a) Name eight hallmarks of cancer. [3]
- b) Explain any five and their role in regulation of cancer manifestation. [7]

**Question Number : 2 Question Id : 32718721094 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 role of microbiomes in cancer etiopathogenesis and treatment of cancer. [5+5]

**Question Number : 3 Question Id : 32718721095 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 are the oncogenes implicated in initiation of pancreatic cancer and its treatment? [5]
- b) Describe the role of KRAS, BRAF, EGFR and EBV oncogenes. [5]

**Question Number : 4 Question Id : 32718721096 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 are immune checkpoint inhibitors? [3]
- b) Define the role of PDL1 inhibitors in management of various cancers. [7]

**Question Number : 5 Question Id : 32718721097 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 Tumor Lysis Syndrome? [2]
- b) Describe the pathogenesis, clinical manifestations, investigations and management of high risk patients with tumor lysis. [8]

**Question Number : 6 Question Id : 32718721098 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 the role of FISH and NGS in cancer diagnosis and management. [5+5]

**Question Number : 7 Question Id : 32718721099 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Define cancer survivorship. What is the relationship of cancer survivorship with respect to: Education, Surveillance, Research and Advocacy? [2+(2+2+2+2)]

**Question Number : 8 Question Id : 32718721100 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 Physical carcinogenesis? [2]
- b) Discuss the mechanism and pathogenesis of lung cancer due to asbestos. [8]

**Question Number : 9 Question Id : 32718721101 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 ionizing radiation? [4]
- b) Discuss the role of electrons versus particle beam therapy in cancer management. [6]

**Question Number : 10 Question Id : 32718721102 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 the relationship between tumour-grade and rate of multiplication of cancer cells? [4]
- b) What are monoclonal antibodies and their limitations in cancer treatment? [6]