

National Board of Examinations

Question Paper Name :	DrNB Surgical Oncology Paper1
Subject Name :	DrNB Surgical Oncology Paper1
Creation Date :	2022-12-22 22:33:41
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Surgical Oncology Paper1

Group Number :	1
Group Id :	327187845
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB Surgical Oncology Paper1

Section Id :	327187848
Section Number :	1
Section type :	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 :	327187852
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718718302 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. a) Name eight hallmarks of cancer. [4]
- b) Explain any five and their role in regulation of cancer manifestation. [6]

Question Number : 2 Question Id : 32718718303 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 : 32718718304 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 : 32718718305 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 : 32718718306 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 : 32718718307 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 : 32718718308 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 : 32718718309 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 : 32718718310 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 : 32718718311 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]