

National Board of Examinations

Question Paper Name :	DrNB Medical Oncology Paper2
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DrNB Medical Oncology Paper2

Group Number :	1
Group Id :	327187739
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 Medical Oncology Paper2

Section Id :	327187742
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 :	327187746
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 3271876472 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) Minimal residual disease (MRD) for multiple myeloma - methods of detection and compare flow cytometry vs PCR vs sequencing. [4]
- b) Importance of MRD detection for acute lymphoblastic leukemia and acute myeloid leukemia. [4]
- c) Methylation analysis. [2]

Question Number : 2 Question Id : 3271876473 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) Enumerate the four pre-requisites for cancer screening to be efficacious. [2]

b) Discuss the performance characteristics of a screening test. [4]

c) Disadvantages and biases associated with screening. [4]

Question Number : 3 Question Id : 3271876474 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) Microsatellites, microsatellite instability (MSI), and methods of MSI testing. [4]

b) List familial syndromes for colorectal cancer. [2]

c) Lynch syndrome and prevention strategies used in the same for cancer occurrence and/or their early detection. [4]

Question Number : 4 Question Id : 3271876475 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) List Radiopharmaceuticals used in diagnosis (with name of investigation) and treatment of cancer. [3]

b) Role of imaging in cervix cancer with rationale. [4]

c) Plan investigations for the treatment and monitoring in a 20 year old lady diagnosed to have choriocarcinoma. [3]

Question Number : 5 Question Id : 3271876476 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) Principles of HER2 testing in breast cancer. [3]

b) Critical evaluation of phase III, randomized trials on trastuzumab. [3]

c) Dose schedule and, acute & long term side effects of trastuzumab. [4]

Question Number : 6 Question Id : 3271876477 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) List the various plasma cell dyscrasias with approximate frequency. [3]
- b) Risk stratification of multiple myeloma. [4]
- c) Investigations for a newly diagnosed case of cardiac AL amyloidosis. [3]

Question Number : 7 Question Id : 3271876478 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) Histopathological types of rhabdomyosarcoma (RMS). [2]
- b) Risk stratification of RMS. [4]
- c) Molecular testing in soft tissue sarcomas. [4]

Question Number : 8 Question Id : 3271876479 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) List the systemic syndromes associated with mediastinal neoplasms along with the tumor type. [3]
- b) Discuss the diagnostic approach to mediastinal mass in a 16 year old boy. [4]
- c) Pathology of classical Hodgkin's lymphoma. [3]

Question Number : 9 Question Id : 3271876480 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) List the peritoneal surface malignancies. [2]
- b) Essential components in the management of peritoneum only metastases. [3]
- c) What are the principles of HIPEC surgery and critically analyze HIPEC in the management of

epithelial ovarian cancer? [5]

Question Number : 10 Question Id : 3271876481 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) List the metabolic emergencies in cancer patients. [2]
- b) Causes of hyponatremia in a patient with small cell lung cancer. [2]
- c) Define tumour lysis syndrome. Give the diagnostic criteria and its management in pediatric age group. [6]