

National Board of Examinations

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

Group Number :	1
Group Id :	3271871969
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 :	3271871972
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 :	3271871976
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718719302 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) Epidemiology and risk factors for carcinoma esophagus in India. [4]
- b) List Investigations for a case of carcinoma esophagus. [2]
- c) Treatment outlines for carcinoma esophagus of middle third in a 60 year old lady. [4]

Question Number : 2 Question Id : 32718719303 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) Molecular Classification of Colon Cancer. [5]
- b) How this information is being utilized for treatment of metastatic colon cancer? [5]

Question Number : 3 Question Id : 32718719304 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) Gleason's Score. [3]
- b) Define high risk prostate cancer. [2]
- c) Algorithm for treatment for castration resistant prostate cancer. [5]

Question Number : 4 Question Id : 32718719305 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) Molecular basis of CNS metastases as applicable to breast/Lung cancer. [3]
- b) Types and dose of Radiation therapy for brain metastases. [4]
- c) Treatment of CNS leukemia (acute lymphoblastic leukemia). [3]

Question Number : 5 Question Id : 32718719306 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) Define TNM stage 3 cancer cervix and list of investigations for evaluation. [4]
- b) Role of anti-angiogenesis and immunotherapy in treatment of metastatic cervical cancer. [4]
- c) Impact of chemotherapy, anti-angiogenesis and immunotherapy on survival for metastatic cervical cancer. [2]

Question Number : 6 Question Id : 32718719307 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) Mention indications for treatment with TKI (Tyrosine Kinase Inhibitor) and immunotherapy for

renal cell cancer (RCC). [4]

b) Compare the results of both modalities (TKI and Immunotherapy) in a Tabular Form. [4]

c) Briefly list adverse effects of immunotherapy used in RCC. [2]

Question Number : 7 Question Id : 32718719308 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) Diagnostic work up for a case of choriocarcinoma. [2]

b) Discuss WHO Scoring system in relation to choriocarcinoma. [3]

c) Treatment of a 22 year old lady with metastatic choriocarcinoma. [5]

Question Number : 8 Question Id : 32718719309 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) Pathological Classification of Testicular Germ Cell Tumors. [3]

b) Management plan for a 23 year old male diagnosed to have Testicular Tumor with retroperitoneal Lymph Node (3x3 Cm). [4]

c) Toxicity of BEP regimen. [3]

Question Number : 9 Question Id : 32718719310 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 common complications in first two weeks following autologous stem cell transplant for myeloma. [4]

b) Define Grading of oral mucositis. [2]

c) Describe procedure for stem cell mobilization. How do you calculate dose of CD34+ stem cells? [4]

Question Number : 10 Question Id : 32718719311 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) Define tumor lysis syndrome. [2]
- b) Symptoms and etiology of tumor lysis syndrome. [4]
- c) Management of hypercalcemia in solid tumors. [4]