

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Medical Oncology Paper3
<b>Subject Name :</b>	DrNB Medical Oncology Paper3
<b>Creation Date :</b>	2024-05-17 19:22:10
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<b>Actual Answer Key :</b>	No

## DrNB Medical Oncology Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871970
<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 Medical Oncology Paper3

<b>Section Id :</b>	3271871973
<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>	3271871977
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718719312 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) Gene expression profile and immunohistochemistry based algorithm for subtyping diffuse large B cell lymphoma (DLBCL). [5]
- b) Treatment of FLT3 positive acute myeloid leukemia. [5]

**Question Number : 2 Question Id : 32718719313 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) Phase 0 clinical trials. [3]
- b) Donor specific anti HLA antibodies in Haplo-identical transplant. [3]

c) Fecal transplantation in oncology. [4]

**Question Number : 3 Question Id : 32718719314 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) Discuss critically molecular basis of association of obesity with risk of cancer. [5]
- b) List five cancers associated with obesity with epidemiological evidence for each of them. [5]

**Question Number : 4 Question Id : 32718719315 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) Principle of Intensity Modulated Radiotherapy (IMRT) and Proton Beam Therapy. [5]
- b) Utility of Proton Beam Therapy in treatment of Brain Tumours. [5]

**Question Number : 5 Question Id : 32718719316 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) Charlson Co-morbidity Index. [5]
- b) Comprehensive Geriatric Assessment in Oncology. [5]

**Question Number : 6 Question Id : 32718719317 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) Outline management strategies in Peripheral T cell lymphoma (PTCL). [4]
- b) Metronomic chemotherapy for recurrent head and neck cancer : Mechanism, dose schedule and outcome. [3]
- c) Outline Treatment for recurrent triple negative breast cancer. [3]

**Question Number : 7 Question Id : 32718719318 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) An 80-year-old male has presented with left axillary lymph node mass. Biopsy reveals poorly differentiated malignant tumour. Plan diagnostic work up including immunohistochemistry for definite diagnosis. [4]

b) Describe newer drugs (drugs developed in last 5 years) in treatment for multiple myeloma. [6]

**Question Number : 8 Question Id : 32718719319 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) Classification and Pathology of Carcinoma of Gastroesophageal Junction. [4]

b) Briefly discuss management of operable gastric cancer. [2]

c) Molecular subtypes of Pancreatic cancer. [4]

**Question Number : 9 Question Id : 32718719320 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) Autoimmune hemolytic anemia in oncology setting : diagnosis and treatment. [5]

b) POEMS syndrome : diagnostic criteria and treatment. [5]

**Question Number : 10 Question Id : 32718719321 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) Simon's two stage design for clinical trial with example. [3]

b) Challenges in cancer clinical trials in India. [3]

c) Basket and umbrella trials in oncology with one example each. [4]