

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Pathology Paper4
<b>Subject Name :</b>	DNB Pathology Paper4
<b>Creation Date :</b>	2024-05-18 18:52:08
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Pathology Paper4

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872013
<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

## DNB Pathology Paper4

<b>Section Id :</b>	3271872016
<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>	3271872020
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718719772 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. What are the differences in classification of AML & MDS between ICC 2022 & WHO 5<sup>th</sup> edition?  
[10]

**Question Number : 2 Question Id : 32718719773 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Outline approach to the adult with pancytopenia. What are the emergencies & medications associated with pancytopenia? [10]

**Question Number : 3 Question Id : 32718719774 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) Laboratory workup in case of acute promyelocytic leukemia. [5]

b) Hepatosplenic T-cell lymphoma. [5]

**Question Number : 4 Question Id : 32718719775 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 briefly pathogenesis and lab diagnosis of hemoglobinopathies. [10]

**Question Number : 5 Question Id : 32718719776 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 quality control in blood bank. [10]

**Question Number : 6 Question Id : 32718719777 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Evaluation of patient with leukoerythroblastic blood film and its differential diagnosis. [10]

**Question Number : 7 Question Id : 32718719778 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) 20q deletion. [5]

b) Hairy cell leukaemia variant. [5]

**Question Number : 8 Question Id : 32718719779 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Flow cytometry: Principles, types and its application in chronic myeloproliferative disorders. [10]

**Question Number : 9 Question Id : 32718719780 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Elaborate the approach to the diagnosis of coagulation disorders. [10]

**Question Number : 10 Question Id : 32718719781 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) Er Blood group system. [5]

b) Therapeutic apheresis. [5]