

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Pathology Paper1
<b>Subject Name :</b>	DNB Pathology Paper1
<b>Creation Date :</b>	2022-06-25 17:18:44
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Pathology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871057
<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>Break time :</b>	0
<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 Paper1

<b>Section Id :</b>	3271871060
<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>	3271871064
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 3271879622 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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 cellular responses to stress and injury. Describe briefly pathologic calcification.  
[3+7]

**Question Number : 2 Question Id : 3271879623 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Classify MHC molecules. Describe briefly their roles in immune responses. [2+8]

**Question Number : 3 Question Id : 3271879624 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the digital droplet PCR and its advantages [3 +7]

**Question Number : 4 Question Id : 3271879625 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Briefly write down the pathogenesis and pathological changes in organs in Covid-19. [4+6]

**Question Number : 5 Question Id : 3271879626 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the spectrum and pathogenesis of IgG4 related disease. [10]

**Question Number : 6 Question Id : 3271879627 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the mechanisms of various types of hypersensitivity reactions. [10]

**Question Number : 7 Question Id : 3271879628 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Significance of methylation studies in tumour biology. Discuss by giving example of recent changes in CNS classification in gliomas and meningiomas. [5 + 5]

**Question Number : 8 Question Id : 3271879629 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Write briefly on pigments in health & diseases. [10]

**Question Number : 9 Question Id : 3271879630 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the mechanism, molecular biology and role of autophagy in health and disease. [10]

**Question Number : 10 Question Id : 3271879631 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

a) Necroptosis. [5]

b) p-value in statistics. [5]