

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Clinical Immunology and Rheumatology Paper2
<b>Subject Name :</b>	DrNB Clinical Immunology and Rheumatology Paper2
<b>Creation Date :</b>	2023-04-26 21:36:24
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Clinical Immunology and Rheumatology Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	327187733
<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 Clinical Immunology and Rheumatology Paper2

<b>Section Id :</b>	327187736
<b>Section Number :</b>	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 :** 327187740  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Number : 1 Question Id : 3271876412 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. Enumerate and discuss the antibodies described in rheumatoid arthritis. What do you understand by immunoglobulin glycosylation and its impact on autoimmune conditions? [5+5]

**Question Number : 2 Question Id : 3271876413 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

How does a patient with RA vasculitis presents? What are the risk factors for RA vasculitis? Discuss the management of a patient with RA vasculitis. [3+2+5]

**Question Number : 3 Question Id : 3271876414 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What is reactive arthritis? Discuss gut dysbiosis in reactive arthritis. Outline treatment of reactive arthritis. [2+5+3]

**Question Number : 4 Question Id : 3271876415 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 the role of various intra-articular therapies in osteoarthritis. What role does exercise program plays in the management of OA? [6+4]

**Question Number : 5 Question Id : 3271876416 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What are the rheumatological manifestations of thalassemia, sickle cell disease and leukemia? [3+3+4]

**Question Number : 6 Question Id : 3271876417 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 bone health in spondyloarthritis. What are the various techniques to measure bone mineral density in these patients? [7+3]

**Question Number : 7 Question Id : 3271876418 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

**Correct Marks : 10**

Write various clinical manifestations of calcium pyrophosphate dihydrate deposition disease (CPPD). Write in brief about various diagnostic modalities. Discuss the management of CPPD. [2+4+4]

**Question Number : 8 Question Id : 3271876419 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 the metabolism of vitamin D. Discuss the putative roles of vitamin D in rheumatological disorders. [5+5]

**Question Number : 9 Question Id : 3271876420 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Briefly discuss pathophysiology of gout. Write in brief about its genetics and risk factors? Write in brief about newer drug therapies and role of diet. [3+3+4]

**Question Number : 10 Question Id : 3271876421 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 the role of Magnetic Resonance Imaging in osteoarthritis. Enumerate quantitative and semiquantitative scoring systems used in evaluation of knee OA. [6+4]