

National Board of Examinations

Question Paper Name :	DrNB Clinical Immunology and Rheumatology Paper2
Subject Name :	DrNB Clinical Immunology and Rheumatology Paper2
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Actual Answer Key :	No

DrNB Clinical Immunology and Rheumatology Paper2

Group Number :	1
Group Id :	3271872712
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DrNB Clinical Immunology and Rheumatology Paper2

Section Id :	3271872715
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872719
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718728404 Question Type : SUBJECTIVE Consider As

Subjective : Yes

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) Describe the various biochemical markers of bone disease. [6]
- b) Discuss the role of biomarkers as per BIPED classification. [4]

Question Number : 2 Question Id : 32718728405 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the various animal models used in psoriatic arthritis. [4]
- b) Compare and contrast the synovial histopathologic features in psoriatic arthritis and rheumatoid arthritis. [6]

Question Number : 3 Question Id : 32718728406 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe preclinical and early osteoarthritis. [3]
- b) What are the risk factors for progression and therapeutic interventions? [4]
- c) Discuss the role of imaging in preclinical osteoarthritis. [3]

Question Number : 4 Question Id : 32718728407 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Write the clinical manifestations of crystal arthropathy. [3]
- b) Discuss the diagnosis and management of basic calcium phosphate crystal deposition disease. [3+4]

Question Number : 5 Question Id : 32718728408 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the pathogenesis of antiphospholipid antibody(APLA) syndrome. [3]
- b) What are the criteria and non-criteria assays for diagnosis of APLA? [4]

c) Discuss the role of primary thromboprophylaxis in APLA positive patient. [3]

Question Number : 6 Question Id : 32718728409 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What is the role of ultrasonography in rheumatoid arthritis? [3]
- b) Briefly describe the parameters assessed and common artefacts encountered in ultrasound imaging. [4+3]

Question Number : 7 Question Id : 32718728410 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the various rheumatological manifestations in diabetes mellitus and their management. [6+4]

Question Number : 8 Question Id : 32718728411 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the role of various imaging modalities in large vessel vasculitis. [5]
- b) Discuss the disease assessment in Takayasu arteritis. [5]

Question Number : 9 Question Id : 32718728412 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What are sodium-glucose cotransporter type 2 inhibitors? [2]
- b) Describe their role and potential benefits in management of lupus nephritis and gout. [4+4]

Question Number : 10 Question Id : 32718728413 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the pathogenesis, clinical presentation and management of gonococcal arthritis. [3+4+3]