

# National Board of Examinations

Question Paper Name :	DrNB Nephrology Paper3
Subject Name :	DrNB Nephrology Paper3
Creation Date :	2025-01-19 21:59:46
Duration :	180
Total Marks :	100
Display Marks:	No
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

## DrNB Nephrology Paper3

Group Number :	1
Group Id :	3271872796
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

## DrNB Nephrology Paper3

Section Id :	3271872799
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 :	3271872803
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718729244 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) Non-transplant indications of CNI (Calcineurin Inhibitors). [4]
- b) Alisporivir in Alport's syndrome. [3]
- c) Aquapheresis in acute decompensated heart failure (ADHF). [3]

**Question Number : 2 Question Id : 32718729245 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Role of Nephrologists to promote DBD (Donation after brain death) programme. [7]
- b) Role of innate immune system in renal allograft injury. [3]

**Question Number : 3 Question Id : 32718729246 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Heymann nephritis. [3]
- b) Experimental model for minimal change disease. [3]
- c) Experimental model for Diabetic kidney disease. [4]

**Question Number : 4 Question Id : 32718729247 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Medical management of primary hyperoxaluria. [4]
- b) Indications of Eculizumab in kidney disorders and kidney transplantation. [6]

**Question Number : 5 Question Id : 32718729248 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe co-stimulatory pathway for T-cell activation. [5]
- b) Describe use of various agents acting on co-stimulatory pathway in kidney transplantation. [5]

**Question Number : 6 Question Id : 32718729249 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) What is stem cell? Discuss its role in regeneration of failing kidney. [5]
- b) Briefly discuss present status of immuno-tolerance in kidney transplantation. [5]

**Question Number : 7 Question Id : 32718729250 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss briefly role of inflammation, immunity, oxidative stress and fibrosis in pathogenesis of diabetic kidney disease. [7]
- b) Discuss potential role of JAK (Janus kinase) inhibitors in kidney disorders. [3]

**Question Number : 8 Question Id : 32718729251 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Diagnosis and management of ADTKD (Autosomal dominant tubulointerstitial kidney diseases). [6]
- b) Role of uromodulin in health and kidney disease. [4]

**Question Number : 9 Question Id : 32718729252 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss need for long term follow-up of AKI (acute kidney injury) cases. [4]
- b) Prevention of AKI in ICU (Intensive Care Unit). [3]
- c) Stage of renal angina in progress of AKI. [3]

**Question Number : 10 Question Id : 32718729253 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss role of endothelin system in health and kidney diseases. [4]
- b) Role of endothelin receptor antagonists in various kidney diseases. [6]