

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Nephrology Paper1
<b>Subject Name :</b>	DrNB Nephrology Paper1
<b>Creation Date :</b>	2022-06-25 17:18:50
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Nephrology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871130
<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

## DrNB Nephrology Paper1

<b>Section Id :</b>	3271871133
<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>	3271871137
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 32718710352 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. Water balance of the body:

- Briefly describe water balance. [5]
- Algorithm approach to hyponatremia. [5]

**Question Number : 2 Question Id : 32718710353 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Regulation of Renal Hemodynamics:

- Describe briefly renal autoregulation. [5]
- Applied aspect of tubuloglomerular feedback. [5]

**Question Number : 3 Question Id : 32718710354 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Countercurrent multiplier mechanism in the kidney. [10]

**Question Number : 4 Question Id : 32718710355 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the complement system & its role in kidney disease. [5+5]

**Question Number : 5 Question Id : 32718710356 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Calcium homeostasis:

- a) Briefly discuss renal calcium handling. [5]
- b) Its regulation by Klotho. [5]

**Question Number : 6 Question Id : 32718710357 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What is matching in biomedical research? Briefly describe propensity score matching. [5+5]

**Question Number : 7 Question Id : 32718710358 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Urine microscopy:

- a) Describe in detail the preparation of urine for microscopy. [5]
- b) Discuss its application. [5]

**Question Number : 8 Question Id : 32718710359 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

Renin-Angiotensin System:

- a) Draw a diagrammatic representation of the Renin-Angiotensin System. [5]
- b) Status of combined RAAS blockade. [5]

**Question Number : 9 Question Id : 32718710360 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Briefly discuss the approach to Mineralocorticoid excess states. [10]

**Question Number : 10 Question Id : 32718710361 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Briefly discuss updated management of Hyperkalemia. [10]