

National Board of Examinations

Question Paper Name :	DrNB Nephrology Paper1
Subject Name :	DrNB Nephrology Paper1
Creation Date :	2025-01-17 20:02:58
Duration :	180
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Display Marks:	No
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Nephrology Paper1

Group Number :	1
Group Id :	3271872794
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DrNB Nephrology Paper1

Section Id :	3271872797
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 :	3271872801
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718729224 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) Briefly discuss structure and function of the cilia in the kidney. [5]
- b) Briefly discuss various kidney diseases associated with ciliopathy. [5]

Question Number : 2 Question Id : 32718729225 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe in short kidney's role in acid-base homeostasis. [6]
- b) What is urinary anion gap and its role in differential diagnosis of non-anion gap metabolic acidosis? [4]

Question Number : 3 Question Id : 32718729226 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe lectin pathway of complement activation. [4]
- b) Briefly discuss role of complement pathways in pathogenesis of IgA nephropathy. [6]

Question Number : 4 Question Id : 32718729227 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Role of uremic toxins in uremic symptoms. [6]
- b) Use of high 'Cut Off' dialysers in removal of uremic toxins. [4]

Question Number : 5 Question Id : 32718729228 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Discuss role of immunofluorescence in kidney biopsy. [5]
- b) Discuss management of pauci-immune glomerulonephritis. [5]

Question Number : 6 Question Id : 32718729229 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Role of VEGF (Vascular endothelial growth factor) in normal kidney. [3]
- b) Renal side effects of VEGF inhibitors. [3]
- c) Tumor lysis syndrome. [4]

Question Number : 7 Question Id : 32718729230 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Investigations for genito-urinary tuberculosis. [5]
- b) Investigations for diagnosis of interstitial fibrosis of the kidney. [5]

Question Number : 8 Question Id : 32718729231 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Methods of antenatal diagnosis of genito-urinary diseases. [4]
- b) Anatomical and physiological changes in urinary system during normal pregnancy. [6]

Question Number : 9 Question Id : 32718729232 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Water handling by the normal kidney. [5]
- b) Agonist and antagonist drugs of vasopressin and its receptors. [5]

Question Number : 10 Question Id : 32718729233 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Guyton's Hypothesis regarding role of kidney in pathogenesis of systemic arterial hypertension. [4]
- b) Monogenic Hypertension. [3]
- c) Refractory Hypertension. [3]