

D.M. Examination
Branch III : Nephrology
Paper-I
(Applied Basic Sciences)

Date : 02-07-2019, Tuesday]

[Max. Marks : 100

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

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|---|--|----------|
| 1 | Classify renal tubular acidosis and discuss approach, clinical features, laboratory diagnosis and management of renal tubular acidosis | 20 |
| 2 | Pathogenesis of hyperphosphatemia and role of FGF-23 | 20 |
| 3 | Write notes on
a. Innervations of urinary bladder
b. Alternate complement pathway | 10
10 |
| 4 | Write notes on
a. Role of hepcidin-ferropontin axis in iron metabolism
b. Tubulo-glomerular feedback | 10
10 |
| 5 | Write notes on
a. Biomarkers in primary glomerular diseases
b. Pathogenesis of IgA nephropathy | 10
10 |
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D.M. Examination
Branch III : Nephrology
Paper-II
(Clinical Nephrology)

Candidate's Seat No : _____

Date : 05-07-2019, Friday]

[Time : 3 Hours

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicates marks.
 (2) Draw diagram wherever necessary.
 (3) Write legibly.

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|---|--|----------|
| 1 | Discuss pathogenesis and treatment of ANCA associated immune vasculitis | 20 |
| 2 | Pathologic classification of diabetic nephropathy and discuss landmark trials in retarding progression in diabetic nephropathy | 20 |
| 3 | Write notes on
a. Diuretic Resistance
b. Pregnancy associated AKI | 10
10 |
| 4 | Write notes on
a. Abdominal Compartment syndrome
b. Paraproteinemias and Renal disease | 10
10 |
| 5 | Write notes on
a. Markers of progression in ADPKD and interventions to delay progression of disease
b. IgG 4 related disease | 10
10 |
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D.M. Examination
Branch III : Nephrology
Paper-III
(Clinical Nephrology)

Date : 08-07-2019, Monday]

[Max. Marks : 100

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

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|---|--|----------|
| 1 | Discuss the pathophysiology & treatment strategies for cardio-renal syndrome | 20 |
| 2 | Discuss the methods of pre-transplant assessment of recipient's immunological status & management of a highly sensitized recipient | 20 |
| 3 | Write notes on
a. Hemodiafiltration & its role as maintenance RRT modality
b. Sodium modeling in hemodialysis | 10
10 |
| 4 | Write notes on
a. Diagnosis and management of ultra filtration failure in CAPD
b. Diagnosis and management of venous occlusion in AV fistula | 10
10 |
| 5 | Write notes on
a. Recurrence of disease post renal transplantation
b. Management of BKV Nephropathy | 10
10 |
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D.M. Examination
Branch III : Nephrology
(Modern Trends & Advances)
Paper-IV

Date : 10-07-2019, Wednesday]

[Max. Marks : 100

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

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|---|---|----------|
| 1 | Discuss the pathophysiology & treatment strategies for atypical HUS | 20 |
| 2 | Post-transplant lymphoproliferative disease clinical presentation, diagnosis and management | 20 |
| 3 | Write notes on
a. AKI in cancer patients
b. Warfarin nephropathy-clinical picture & pathology | 10
10 |
| 4 | Write notes on
a. Define catastrophic APLA syndrome & discuss its mangement
b. Diagnosis and management of venous occlusion in AV fistula | 10
10 |
| 5 | Write notes on
a. Management of uremic pruritus
b. Gut microbiota and role in CKD | 10
10 |
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