

## Group D &amp; E

Week 1 (15<sup>th</sup> April 2019)

Theme: Structure &amp; function of the urinary system

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	<b>Group D:</b> Histology lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Histology lab	<b>Group D:</b> CSL lab <b>Group E:</b>	<b>Group D:</b> Anatomy lab <b>Group E:</b> CSL lab	<b>Group D:</b> <b>Group E:</b> Anatomy lab
10.35 – 11.35	<b>Lecture:</b> Structure of the Urinary tract & Posterior Abdominal wall <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Macroscopic structure of kidney: Structure, position & relation <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Macroscopic structure of the ureter: Structure, course & blood supply <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Macroscopic features of the urinary bladder <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Histology of the kidney, ureter & bladder <b>(A)</b> <b>Venue:</b> Lecture hall 4
11.40 – 12.40	<b>Lecture:</b> Overview of renal system & its physiology <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Glomerular filtration & its autoregulation <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Renal circulation & pressures <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Renal tubules characteristics: PCT, LOH & DCT <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Renal tubules characteristics: Collecting & medullary ducts <b>(P)</b> <b>Venue:</b> Lecture hall 4
12.45 – 01.15	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15				<b>Group D+E:</b> Embryology tutorial	

**CSL:** History taking of patient with pain in the lumbar region**Embryology Tutorial:** Development of the urinary tract & anomalies I**Anatomy lab:** Anatomy of the urinary system**Histology lab:** Histology of the kidney

## Group A, B &amp; C

Week 1 (15<sup>th</sup> April 2019)

Theme: Structure &amp; function of the urinary system

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	<b>Group A:</b> Anatomy lab <b>Group B:</b> CSL lab <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Anatomy lab <b>Group C:</b> CSL lab	<b>Group A:</b> Histology lab <b>Group B:</b> <b>Group C:</b> Anatomy lab	<b>Group A:</b> <b>Group B:</b> Histology lab <b>Group C:</b>	<b>Group A:</b> CSL lab <b>Group B:</b> <b>Group C:</b> Histology lab
10.35 – 11.35	<b>Lecture:</b> Overview of renal system & its physiology <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Glomerular filtration & its autoregulation <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Renal circulation & pressures <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Renal tubules characteristics: PCT, LOH & DCT <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Renal tubules characteristics: Collecting & medullary ducts <b>(P)</b> <b>Venue:</b> Lecture hall 3
11.40 – 12.40	<b>Lecture:</b> Structure of the Urinary tract & Posterior Abdominal wall <b>(A)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Macroscopic structure of kidney: Structure, position & relation <b>(A)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Macroscopic structure of the ureter: Structure, course & blood supply <b>(A)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Macroscopic features of the urinary bladder <b>(A)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Histology of the kidney, ureter & bladder <b>(A)</b> <b>Venue:</b> Lecture hall 3
12.45 – 01.15	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15			<b>Group A+B+C:</b> Embryology tutorial		

**CSL:** History taking of patient with pain in the lumbar region**Embryology Tutorial:** Development of the urinary tract & anomalies I**Anatomy lab:** Anatomy of the urinary system**Histology lab:** Histology of the kidney

## Group D &amp; E

Week 2 (22<sup>nd</sup> April 2019)

Theme: Mechanism of urine formation and urine concentration

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	<b>Group D:</b> Histology lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Histology lab	<b>Group D:</b> CSL lab <b>Group E:</b>	<b>Group D:</b> Anatomy lab <b>Group E:</b> CSL lab	<b>Group D:</b> <b>Group E:</b> Anatomy lab
10.35 – 11.35	<b>Lecture:</b> Back region <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Lumbar plexus <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Development of the kidney <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Amino acid pool, Nitrogen balance & Protein turnover + Digestion <b>(B)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Transamination & Deamination <b>(B)</b> <b>Venue:</b> Lecture hall 4
11.40 – 12.40	<b>Lecture:</b> Tubular reabsorption continued... <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Tubular secretions <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Tm and Renal clearance & Threshold & Tubular load <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Mechanism of urinary concentration <b>(P)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Mechanism of urinary concentration continued... <b>(P)</b> <b>Venue:</b> Lecture hall 4
12:45 – 01:15	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group D:</b> <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b>	<b>Group D+E:</b> Embryology tutorial – Lecture hall 2	<b>Group D:</b> Physiology SGD– Physiology lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology SGD– Physiology lab

**CSL:** Renal function tests with emphasis on Urine Detail Report (D/R)**Embryology Tutorial:** Development of the urinary tract & anomalies II**Anatomy lab:** Back region I**Histology lab:** Histology of the kidney, ureter & bladder II

## Group A, B &amp; C

Week 2 (22<sup>nd</sup> April 2019)

Theme: Mechanism of urine formation and urine concentration

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	<b>Group A:</b> Anatomy lab <b>Group B:</b> CSL lab <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Anatomy lab <b>Group C:</b> CSL lab	<b>Group A:</b> Histology lab <b>Group B:</b> <b>Group C:</b> Anatomy lab	<b>Group A:</b> <b>Group B:</b> Histology lab <b>Group C:</b>	<b>Group A:</b> CSL lab <b>Group B:</b> <b>Group C:</b> Histology lab
10.35 – 11.35	<b>Lecture:</b> Tubular reabsorption continued... <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Tubular secretions <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Tm and Renal clearance & Threshold & Tubular load <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Mechanism of urinary concentration <b>(P)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Mechanism of urinary concentration continued... <b>(P)</b> <b>Venue:</b> Lecture hall 3
11.40 – 12.40	<b>Lecture:</b> Back region <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Lumbar plexus <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Development of the kidney <b>(A)</b> <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Amino acid pool, Nitrogen balance & Protein turnover + Digestion <b>(B)</b> <b>Venue:</b> Lecture hall 3	<b>Lecture:</b> Transamination & Deamination <b>(B)</b> <b>Venue:</b> Lecture hall 3
12.45 – 01.15	<b>Lunch/ Prayer Break</b>				
01.15 – 03.15	<b>Group A:</b> Physiology SGD – Physiology lab <b>Group B:</b> <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> Physiology SGD– Physiology lab <b>Group C:</b>	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b> Physiology SGD– Physiology lab	<b>Group A+B+C:</b> Embryology tutorial– Lecture hall 1	<b>Group A:</b> <b>Group B:</b> <b>Group C:</b>

**CSL:** Renal function tests with emphasis on Urine Detail Report (D/R)**Embryology Tutorial:** Development of the urinary tract & anomalies II**Anatomy lab:** Back region I**Histology lab:** Histology of the kidney, ureter & bladder II

## Group D &amp; E

Week 3 (29<sup>th</sup> April 2019)

Theme: Renal failure &amp; its types

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	<b>Group D:</b> CSL <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> CSL	Public Holiday – Labour day	<b>Group D:</b> Anatomy lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Anatomy lab
10.35 – 11.35	<b>Lecture:</b> Urea cycle <b>Venue:</b> Lecture hall 4 <b>Facilitator:</b> Dr. Hina	<b>Lecture:</b> Diseases of amino acid metabolism <b>Venue:</b> Lecture hall 4 <b>Facilitator:</b> Dr. Ruby		<b>Lecture:</b> Individual functions of essential & non-essential amino acids and Conversion to specialized products ( <b>B</b> ) <b>Venue:</b> Lecture hall 4 <b>Facilitator:</b> Dr. Imtiaz	<b>Lecture:</b> Lipoprotein metabolism ( <b>B</b> ) <b>Venue:</b> Lecture hall 4 <b>Facilitator:</b> Dr. Imtiaz
11.40 – 12.40	<b>Lecture:</b> Micturition ( <b>P</b> ) <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Buffer system physiology ( <b>P</b> ) <b>Venue:</b> Lecture hall 4		<b>Lecture:</b> Principles of acid-base balance ( <b>P</b> ) <b>Venue:</b> Lecture hall 4	<b>Lecture:</b> Disorders of acid-base balance ( <b>P</b> ) <b>Venue:</b> Lecture hall 4
12:45 – 01:15	Lunch/ Prayer Break			Lunch/ Prayer Break	
01.15 – 03.15	<b>Group D:</b> Biochemistry SGD – biochemistry lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Biochemistry SGD– biochemistry lab		<b>Group D:</b> Physiology SGD – Physiology lab <b>Group E:</b>	<b>Group D:</b> <b>Group E:</b> Physiology SGD – Physiology lab

**CSL:** Examination of the spine (back region).**Anatomy lab:** Back region II**Physiology lab:** Renal function tests

## Group A, B &amp; C

Week 3 (29<sup>th</sup> April 2019)

Theme: Renal failure &amp; its types

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	Group A: Anatomy lab Group B: Group C:	Group A: Biochemistry SGD – biochemistry lab Group B: Anatomy lab Group C: Physiology SGD – Physiology lab	Public Holiday – Labour day	Group A: Group B: CSL Group C:	Group A: Group B: Group C: CSL
10.35 – 11.35	Lecture: Micturition (P) Venue: Lecture hall 3	Lecture: Buffer system physiology (P) Venue: Lecture hall 3		Lecture: Principles of acid-base balance (P) Venue: Lecture hall 3	Lecture: Disorders of acid-base balance (P) Venue: Lecture hall 3
11.40 – 12.40	Lecture: Urea cycle Venue: Lecture hall 3 Facilitator: Dr. Hina	Lecture: Diseases of amino acid metabolism Venue: Lecture hall 3 Facilitator: Dr. Ruby		Lecture: Individual functions of essential & non-essential amino acids and Conversion to specialized products (B) Venue: Lecture hall 3 Facilitator: Dr. Imtiaz	Lecture: Lipoprotein metabolism (B) Venue: Lecture hall 3 Facilitator: Dr. Imtiaz
12:45 – 01:15	Lunch/ Prayer Break			Lunch/ Prayer Break	
01.15 – 03.15	Group A: Physiology SGD – Physiology lab Group B: Group C:	Group A: CSL Group B: Physiology SGD – Physiology lab Group C: Anatomy lab		Group A: Group B: Biochemistry SGD– biochemistry lab Group C:	Group A: Group B: Group C: Biochemistry SGD– biochemistry lab

**CSL:** Examination of the spine (back region).**Anatomy lab:** Back region II**Physiology lab:** Renal function tests

Group: A, B, C, D &amp; E

Week 3 (6<sup>th</sup> May 2019)

Theme: Renal failure &amp; its types

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 10.30	Study Leave		<u>Written Paper 1</u>  Anatomy + Biochemistry MCQS + SAQs	<u>Written Paper 2</u>  Physiology MCQS + SAQs	Practical Examination
10.35 – 11.35					
11.40 – 12.40					
12.45 – 01.15			<u>Viva Examination</u>  Anatomy + Biochemistry	<u>Viva Examination</u>  Physiology	
01.15 – 03.15					