Group A, B & C

Week 1 (16th September 2019) **Theme: Organization of the gastrointestinal tract**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture**: Organization of the gastrointestinal tract & structure of the mouth **(A)** **Venue:** Lecture hall 1	**Lecture:** Salivary glands **(A)** **Venue:** Lecture hall 1	**Lecture:** Tongue **(A)** **Venue:** Lecture hall 1	**Lecture:** Structure of the oesophagus **(A)** **Venue:** Lecture hall 1	**Lecture:** Anterior abdominal wall – Anterolateral muscles & Neurovasculature **(A)** **Venue:** Lecture hall 1
09.35 – 10.35	**Lecture**: Oxidative phosphorylation **(B)** **Venue:** Lecture hall 1	**Lecture**: Electron transport chain **(B)** **Venue:** Lecture hall 1	**Lecture**: Introduction to the development of the gastrointestinal tract **(A)** **Venue:** Lecture hall 1	**Lecture:** Regulation of GIT and Saliva **(P)** **Venue:** Lecture hall 1	**Lecture:** Functions of the oesophagus/ Steps of swallowing **(P)** **Venue:** Lecture hall 1
10.45 – 12.45	**Group A:** Anatomy lab **Group B: Self-study** **Group C:** Histology lab	**Group A: Self-study** **Group B:** Anatomy lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Anatomy lab	**Group A:** Histology lab **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B:** Histology lab **Group C: Self-study**
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00			**Group A:** Biochemistry SGD – tutorial room I **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Biochemistry SGD – tutorial room 1	**Group A: Self-study** **Group B:** Biochemistry SGD – tutorial room I **Group C: Self-study**

Anatomy lab: Planes of the Abdomen
Histology lab: Histology of the oral cavity and oesophagus
Biochemistry SGD: Regulation of ETC & its inhibitors

Group D & E

Week 1 (16th September 2019) **Theme: Organization of the gastrointestinal tract**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture**: Oxidative phosphorylation **(B)** **Venue:** Lecture hall 2	**Lecture**: Electron transport chain **(B)** **Venue:** Lecture hall 2	**Lecture**: Introduction to the development of the gastrointestinal tract **(A)** **Venue:** Lecture hall 2	**Lecture:** Regulation of GIT and Saliva **(P)** **Venue:** Lecture hall 2	**Lecture:** Functions of the oesophagus/ Steps of swallowing **(P)** **Venue:** Lecture hall 2
09.35 – 10.35	**Lecture**: Organization of the gastrointestinal tract & structure of the mouth **(A)** **Venue:** Lecture hall 2	**Lecture:** Salivary glands **(A)** **Venue:** Lecture hall 2	**Lecture:** Tongue **(A)** **Venue:** Lecture hall 2	**Lecture:** Structure of the oesophagus **(A)** **Venue:** Lecture hall 2	**Lecture:** Anterior abdominal wall – Anterolateral muscles & Neurovasculature **(A)** **Venue:** Lecture hall 2
10.45 – 12.45	**Group D: Self-study** **Group E: Self-study**	**Group D:** Histology lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Histology lab	**Group D:** Anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy lab
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00			**Group D:** Biochemistry SGD – bio lab **Group E: Self-study**	**Group D: Self-study** **Group E: Self-study**	**Group D: Self-study** **Group E:** Biochemistry SGD - bio lab

Anatomy lab: Planes of the Abdomen
Histology lab: Histology of the oral cavity and oesophagus
Biochemistry SGD: Regulation of ETC & its inhibitors

Group A, B & C

Week 2 (23rd September 2019) **Theme: Surface anatomy of the abdomen**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Anterior abdominal wall – Rectus sheath & Neurovasculature **(A)** **Venue:** Lecture hall 1	**Lecture:** Anterior abdominal wall – Inguinal region **(A)** **Venue:** Lecture hall 1	**Lecture:** Abdominal cavity **(A)** **Venue:** Lecture hall 1	**Lecture:** Peritoneum **(A)** **Venue:** Lecture hall 1	**Lecture:** Structure of the stomach **(A)** **Venue:** Lecture hall 1
09.35 – 10.35	**Lecture:** Metabolic oxidation of metabolic pathway **(B)** **Venue:** Lecture hall 1	**Lecture:** Digestion & Metabolism of carbohydrates **(B)** **Venue:** Lecture hall 1	**Lecture:** Development of the foregut - Oesophagus **(A)** **Venue:** Lecture hall 1	**Lecture:** Development of the foregut – stomach **(A)** **Venue:** Lecture hall 1	**Lecture:** Gastric juice & HCl secretions **(P)** **Venue:** Lecture hall 1
10.45 – 12.45	**Group A:** Anatomy lab **Group B: Self-study** **Group C:** Histology lab	**Group A: Self-study** **Group B:** Anatomy lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Anatomy lab	**Group A:** Histology lab **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B:** Histology lab **Group C: Self-study**
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group A:** Anatomy SGD – anatomy lab **Group B:** Physiology SGD – physiology lab **Group C: Self-study**	**Group A: Self-study** **Group B:** Anatomy SGD – anatomy lab **Group C:** Physiology SGD – physiology lab	**Group A:** Biochemistry SGD – biochemistry lab **Group B: Self-study** **Group C:** Anatomy SGD – anatomy lab	**Group A: Self-study** **Group B:** Biochemistry SGD – biochemistry lab **Group C: Self-study**	**Group A:** Physiology SGD – physiology lab **Group B: Self-study** **Group C:** Biochemistry SGD – biochemistry lab

Anatomy Lab: Anterolateral abdominal wall
Histology lab: Histology of the stomach and glands
Anatomy SGD:
Physiology SGD: Saliva, swallowing, and gastric juice
Biochemistry SGD: Digestion & review of carbohydrates metabolism & metabolic oxidation

Group D & E

Week 2 (23rd September 2019) **Theme: Surface anatomy of the abdomen**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Metabolic oxidation of metabolic pathway **(B)** **Venue:** Lecture hall 2	**Lecture:** Digestion & Metabolism of carbohydrates **(B)** **Venue:** Lecture hall 2	**Lecture:** Development of the foregut - Oesophagus **(A)** **Venue:** Lecture hall 2	**Lecture:** Development of the foregut – stomach **(A)** **Venue:** Lecture hall 2	**Lecture:** Gastric juice & HCl secretions **(P)** **Venue:** Lecture hall 2
09.35 – 10.35	**Lecture:** Anterior abdominal wall – Rectus sheath & Neurovasculature **(A)** **Venue:** Lecture hall 2	**Lecture:** Anterior abdominal wall – Inguinal region **(A)** **Venue:** Lecture hall 2	**Lecture:** Abdominal cavity **(A)** **Venue:** Lecture hall 2	**Lecture:** Peritoneum **(A)** **Venue:** Lecture hall 2	**Lecture:** Structure of the stomach **(A)** **Venue:** Lecture hall 2
10.45 – 12.45	**Group D: Self-study** **Group E: Self-study**	**Group D:** Histology lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Histology lab	**Group D:** Anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy lab
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group D:** Biochemistry SGD – biochemistry lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Biochemistry SGD – biochemistry lab	**Group D:** Physiology SGD – physiology lab **Group E: Self-study**	**Group D:** Anatomy SGD – anatomy lab **Group E:** Physiology SGD – physiology lab	**Group D: Self-study** **Group E:** Anatomy SGD – anatomy lab

Anatomy Lab: Anterolateral abdominal wall
Histology lab: Histology of the stomach and glands
Anatomy SGD:
Physiology SGD: Saliva, swallowing, and gastric juice
Biochemistry SGD: Digestion & review of carbohydrates metabolism & metabolic oxidation

Group A, B & C

Week 3 (30th September 2019) **Theme: Structure & Function of Abdominal viscera**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Anatomy of the duodenum **(A)** **Venue:** Lecture hall 1	**Lecture:** Anatomy of Jejunum & Ileum **(A)** **Venue:** Lecture hall 1	**Lecture:** Structure of the liver **(A)** **Venue:** Lecture hall 1	**Lecture:** Anatomy of the Biliary system & Pancreas **(A)** **Venue:** Lecture hall 1	**Lecture:** Portal circulation **(A)** **Venue:** Lecture hall 1
09.35 – 10.35	**Lecture:** Regulation of HCl secretion **(P)** **Venue:** Lecture hall 1	**Lecture:** Glycolysis; Fate of pyruvate & pyruvate kinase deficiency **(B)** **Venue:** Lecture hall 1	**Lecture:** Citric acid cycle. Regulation + ATP **(B)** **Venue:** Lecture hall 1	**Lecture:** Development of the abdominal viscera's **(A)** **Venue:** Lecture hall 1	**Lecture:** Brush borer enzymes, movements & functions of the small intestine **(P)** **Venue:** Lecture hall 1
10.45 – 12.45	**Group A:** Anatomy lab **Group B: Self-study** **Group C:** Histology lab	**Group A: Self-study** **Group B:** Anatomy lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Anatomy lab	**Group A:** Histology lab **Group B:** Physiology SGD **Group C: Self-study**	**Group A: Self-study** **Group B:** Histology lab **Group C: Self-study**
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group A:** Anatomy SGD – anatomy lab **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B:** Anatomy SGD – anatomy lab **Group C: Self-study**	**Group A:** Biochemistry SGD – biochemistry lab **Group B: Self-study** **Group C:** Anatomy SGD – anatomy lab	**Group A: Self-study** **Group B:** Biochemistry SGD – biochemistry lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Biochemistry SGD – biochemistry lab

Anatomy Lab: Viscera of the Gastrointestinal tract
Histology lab: Histology of the small intestine
Anatomy SGD:
Biochemistry SGD: Glycolysis – cycle, regulation, importance, ATP calculation, pyruvate kinase deficiency

Group D & E

Week 3 (30th September 2019) **Theme: Structure & Function of Abdominal viscera**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Regulation of HCl secretion **(P)** **Venue:** Lecture hall 2	**Lecture:** Glycolysis; Fate of pyruvate & pyruvate kinase deficiency **(B)** **Venue:** Lecture hall 2	**Lecture:** Citric acid cycle. Regulation + ATP **(B)** **Venue:** Lecture hall 2	**Lecture:** Development of the abdominal viscera's **(A)** **Venue:** Lecture hall 2	**Lecture:** Brush borer enzymes, movements & functions of the small intestine **(P)** **Venue:** Lecture hall 2
09.35 – 10.35	**Lecture:** Anatomy of the duodenum **(A)** **Venue:** Lecture hall 2	**Lecture:** Anatomy of Jejunum & Ileum **(A)** **Venue:** Lecture hall 2	**Lecture:** Structure of the liver **(A)** **Venue:** Lecture hall 2	**Lecture:** Anatomy of the Biliary system & Pancreas **(A)** **Venue:** Lecture hall 2	**Lecture:** Portal circulation **(A)** **Venue:** Lecture hall 2
10.45 – 12.45	**Group D: Self-study** **Group E: Self-study**	**Group D:** Histology lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Histology lab	**Group D:** Anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy lab
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group D:** Biochemistry SGD – biochemistry lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Biochemistry SGD – biochemistry lab	**Group D: Self-study** **Group E: Self-study**	**Group D:** Anatomy SGD – anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy SGD – anatomy lab

Anatomy Lab: Viscera of the Gastrointestinal tract
Histology lab: Histology of the small intestine
Anatomy SGD:
Biochemistry SGD: Glycolysis – cycle, regulation, importance, ATP calculation, pyruvate kinase deficiency

Group A, B & C

Week 4 (7th October 2019) **Theme: Acute & chronic gastric conditions**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Hexose monophosphate shunt & G6P deficiency **(B)** **Venue:** Lecture hall 1	**Lecture:** Gluconeogenesis **(B)** **Venue:** Lecture hall 1	**Lecture:** Glycogen storage diseases **(B)** **Venue:** Lecture hall 1	**Lecture:** Development of the hindgut **(A)** **Venue:** Lecture hall 1	**Lecture:** Movements & functions of the large intestine **(P)** **Venue:** Lecture hall 1
09.35 – 10.35	**Lecture:** Exocrine pancreas **(P)** **Venue:** Lecture hall 1	**Lecture:** Development of the mid-gut **(A)** **Venue:** Lecture hall 1	**Lecture:** Anatomy of the Large Intestine & Appendix **(A)** **Venue:** Lecture hall 1	**Lecture:** Rectum **(A)** **Venue:** Lecture hall 1	**Lecture:** Anal canal & Ischio-rectal fossa **(A)** **Venue:** Lecture hall 1
10.45 – 12.45	**Group A:** Anatomy lab **Group B: Self-study** **Group C:** Histology lab	**Group A: Self-study** **Group B:** Anatomy lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Anatomy lab	**Group A:** Histology lab **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B:** Histology lab **Group C: Self-study**
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group A:** Anatomy SGD – anatomy lab **Group B:** Physiology SGD – physiology lab **Group C: Self-study**	**Group A: Self-study** **Group B:** Anatomy SGD – anatomy lab **Group C:** Physiology SGD – physiology lab	**Group A:** Biochemistry SGD – biochemistry lab **Group B: Self-study** **Group C:** Anatomy SGD – anatomy lab	**Group A: Self-study** **Group B:** Biochemistry SGD – biochemistry lab **Group C: Self-study**	**Group A:** Physiology SGD – physiology lab **Group B: Self-study** **Group C:** Biochemistry SGD – biochemistry lab

Anatomy Lab: Hepatobiliary apparatus
Histology lab: Histology of the abdominal viscera's
Biochemistry lab: Jaundice & interpretation of LFT's
Anatomy SGD:
Physiology SGD: Movements and functions of the small and large intestine & pancreatic juice
Biochemistry SGD: HMP shunt – regulation, biomedical importance & G6Pd deficiency; Gluconeogenesis: steps & biomedical importance; Glycogenesis: steps, regulation

Group D & E

Week 4 (7th October 2019) **Theme: Acute & chronic gastric conditions**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Exocrine pancreas **(P)** **Venue:** Lecture hall 2	**Lecture:** Development of the mid-gut **(A)** **Venue:** Lecture hall 2	**Lecture:** Anatomy of the Large Intestine & Appendix **(A)** **Venue:** Lecture hall 2	**Lecture:** Rectum **(A)** **Venue:** Lecture hall 2	**Lecture:** Anal canal & Ischio-rectal fossa **(A)** **Venue:** Lecture hall 2
09.35 – 10.35	**Lecture:** Hexose monophosphate shunt & G6P deficiency **(B)** **Venue:** Lecture hall 2	**Lecture:** Gluconeogenesis **(B)** **Venue:** Lecture hall 2	**Lecture:** Glycogen storage diseases **(B)** **Venue:** Lecture hall 2	**Lecture:** Development of the hindgut **(A)** **Venue:** Lecture hall 2	**Lecture:** Movements & functions of the large intestine **(P)** **Venue:** Lecture hall 2
10.45 – 12.45	**Group D: Self-study** **Group E: Self-study**	**Group D:** Histology lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Histology lab	**Group D:** Anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy lab
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group D:** Biochemistry SGD – biochemistry lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Biochemistry SGD – biochemistry lab	**Group D:** Physiology SGD – physiology lab **Group E: Self-study**	**Group D:** Anatomy SGD – anatomy lab **Group E:** Physiology SGD – physiology lab	**Group D: Self-study** **Group E:** Anatomy SGD – anatomy lab

Anatomy Lab: Hepatobiliary apparatus
Histology lab: Histology of the abdominal viscera's
Biochemistry lab: Jaundice & interpretation of LFT's
Anatomy SGD:
Physiology SGD: Movements and functions of the small and large intestine & pancreatic juice
Biochemistry SGD: HMP shunt – regulation, biomedical importance & G6Pd deficiency; Gluconeogenesis: steps & biomedical importance; Glycogenesis: steps, regulation

Group A, B & C

Week 5 (14th October 2019) **Theme: Metabolism of macro and micro molecules**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Glycogenesis & Glycogenolysis **(B)** **Venue:** Lecture hall 1	**Lecture:** Lactose, fructose and galactose metabolism **(B)** **Venue:** Lecture hall 1	**Lecture:** Metabolic role of liver in detoxification **(B)** **Venue:** Lecture hall 1	**Lecture:** Hormones of the Gastrointestinal tract **(P)** **Venue:** Lecture hall 1	**Lecture:** Biochemistry – revision **Venue:** Lecture hall 1
09.35 – 10.35	**Lecture:** Bile, Bile salts & Gall bladder & Liver **(P)** **Venue:** Lecture hall 1	**Lecture:** Arterial supply of the gastrointestinal tract **(A)** **Venue:** Lecture hall 1	**Lecture:** Venous drainage of the gastrointestinal tract **(A)** **Venue:** Lecture hall 1	**Lecture:** Lymphatic drainage of the gastrointestinal tract **(A)** **Venue:** Lecture hall 1	**Lecture:** Nerve supply of the gastrointestinal tract **(A)** **Venue:** Lecture hall 1
10.45 – 12.45	**Group A:** Anatomy lab **Group B: Self-study** **Group C:** Histology lab	**Group A: Self-study** **Group B:** Anatomy lab **Group C: Self-study**	**Group A: Self-study** **Group B: Self-study** **Group C:** Anatomy lab	**Group A:** Histology lab **Group B: Self-study** **Group C: Self-study**	**Group A: Self-study** **Group B:** Histology lab **Group C: Self-study**
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group A:** Anatomy SGD – Anatomy lab **Group B:** Physiology SGD – Physiology lab **Group C:** Biochemistry SGD – biochemistry lab	**Group A:** Biochemistry SGD – biochemistry lab **Group B:** Anatomy SGD – Anatomy lab **Group C:** Physiology SGD – Physiology lab	**Group A: Self-study** **Group B:** Biochemistry SGD– biochemistry lab **Group C:** Anatomy SGD– Anatomy lab	**Group A + B + C:** Embryology tutorial – Lecture hall 3	**Group A:** Physiology SGD – Physiology lab **Group B: Self-study** **Group C: Self-study**

Anatomy Lab: Large intestine, rectum & anal canal
Histology lab: Histology of the lower gastrointestinal tract
Embryology tutorial: Development of the GI tract - revision
Anatomy SGD:
Physiology SGD: Biliary system & hormones of the GIT.
Biochemistry SGD: Glycogen storage diseases, Lactose & fructose metabolism; Metabolic role of liver in detoxification.

Group D & E

Week 5 (14th October 2019) **Theme: Metabolism of macro and micro molecules**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Lecture:** Bile, Bile salts & Gall bladder & Liver **(P)** **Venue:** Lecture hall 2	**Lecture:** Arterial supply of the gastrointestinal tract **(A)** **Venue:** Lecture hall 2	**Lecture:** Venous drainage of the gastrointestinal tract **(A)** **Venue:** Lecture hall 2	**Lecture:** Lymphatic drainage of the gastrointestinal tract **(A)** **Venue:** Lecture hall 2	**Lecture:** Nerve supply of the gastrointestinal tract **(A)** **Venue:** Lecture hall 2
09.35 – 10.35	**Lecture:** Glycogenesis & Glycogenolysis **(B)** **Venue:** Lecture hall 2	**Lecture:** Lactose, fructose and galactose metabolism **(B)** **Venue:** Lecture hall 2	**Lecture:** Metabolic role of liver in detoxification **(B)** **Venue:** Lecture hall 2	**Lecture:** Hormones of the Gastrointestinal tract **(P)** **Venue:** Lecture hall 2	**Lecture:** Biochemistry – revision **Venue:** Lecture hall 2
10.45 – 12.45	**Group D: Self-study** **Group E: Self-study**	**Group D:** Histology lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Histology lab	**Group D:** Anatomy lab **Group E: Self-study**	**Group D: Self-study** **Group E:** Anatomy lab
12:46 – 01:15	**Lunch/ Prayer Break**				
01.16 – 03.00	**Group D: Self-study** **Group E:** Biochemistry SGD – tutorial room I	**Group C:** Physiology SGD – Physiology lab **Group D + E:** Embryology tutorial – Lecture hall 4	**Group D:** Physiology SGD – Physiology lab **Group E: Self-study**	**Group D:** Anatomy SGD– Anatomy lab **Group E:** Physiology SGD – Physiology lab	**Group D:** Biochemistry SGD – biochemistry lab **Group E:** Anatomy SGD– Anatomy lab

Anatomy Lab: Large intestine, rectum & anal canal
Histology lab: Histology of the lower gastrointestinal tract
Embryology tutorial: Development of the GI tract - revision
Anatomy SGD:
Physiology SGD: Biliary system & hormones of the GIT.
Biochemistry SGD: Glycogen storage diseases, Lactose & fructose metabolism; Metabolic role of liver in detoxification.

Group A, B, D & E

Week 6 (21st October 2019) **Theme: Exam week**

Day/Time	Monday	Tuesday	Wednesday	Thursday	Friday
08.30 – 09.30	**Study Leave**		**Written examination** MCQs: 80 marks SAQs: 20 marks **Duration:** 2 hours 30 minutes	**Integrated Practical Examination**	**Anatomy Viva**
09.35 – 10.30					
10.35 – 12.30			**Biochemistry Viva**	**Physiology viva**	
01.00 – 03.00					

***in case of any change to the schedule/content, students will be informed in time.**