



# HERITAGE INSTITUTE OF MEDICAL SCIENCES, VARANASI

Module IV Batch 2019-2020

## ABDOMEN,GIT, RENAL, HEMOGLOBIN& PROTEIN METABOLISM, LFT, RFT, DETOXIFICATION

Time	Day 1 24.02.2020 Mon	Day 2 25.02.2020 Tue	Day 3 26.02.2020 Wed	Day 4 27.02.2020 Thu	Day 5 28.02.2020 Fri	DAY 6 29.02.2020 Sat	DAY 7 02.03.2020 Mon
9:00 -10:00 am	AETCOM Module 1.5- <b>Anatomy Dept</b> Cadaver as our first teacher 8.30 to 9.30 am	AN 44.4,44.7(VI-SU) Inguinal canal, Inguinal Hernia	PY 4.2(HI-BI) Salivary secretion	PY 4.3,4.9(VI-IM,HI-BI) G I Motility (I) Mastication, deglutition & vomiting	AN 47.5 Celiac trunk, Sup.mesenteric artery	Anatomy UG Seminar	AN 47.5 Jejunum, ileum and mesentery
10:00 – 12:00 noon	PY 5.15 CVS examination revision	Biochemistry Practical	AN 52.1 Histologylab Tongue, Esophagus, Stomach	PY 6.9 RS examination revision	PY 10.11 Sensory system revision		AN 52.1 Histology of small intestine
12:00- 01:00 pm	PY 4.1(HI-AN) Introduction to GIT	AN 52.4- 52.6(VI- SU) Embryology - Development of GIT (foregut)	AN 47.1-47.4(VI-SU) Peritonum-I	AN 47.5(VI-SU) Stomach	AN 47.5 Small intestine - Duodenum		PY 4.9(HI-BI,VI-IM) Physiological basis of APD, <b>GERD</b>
2 :00– 3:00 pm	AN 44.1- 44.3,44.6(VI-SU) Anterior Abdominal wall	AN 52.1 salivary glands	AN 47.1-47.4(VI-SU) Peritoneum-II	ECE A6 AN 44.4-44.7 Inguinal hernia	PY 4.2,4.8(HI-BI) Gastric juice secretion and regulation, APD		PY 4.2(HI-BI) Small intestine: Secretions & Functions
3:00 -5:00 pm	AN 44.1- 44.3,44.6(VI-SU) Dissection- anterior abdominal wall	AN 44.4-44.7 Dissection - Inguinal canal	AN 47.1-47.4(VI-SU) Dissection- Peritoneum		AN 47.5 Dissection Stomach / Osteology		AN 47.5 Dissection-Celiac trunk, Supmesenteric artery



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Time	Day 8 03.03.2020 Tue	Day 9 04.03.2020 Wed	Day 10 05.03.2020 Thu	Day 11 06.03.2020 Fri	7 <sup>th</sup> Mar – 10 <sup>th</sup> Mar 2020 Holi Holidays	Day 12 11.03.2 020 Wed	DAY 13 12.03.2020 Thu	DAY 14 13.03.2020 Fri
9:00 -10:00 am	PY 4.2,4.7,4.8(HI-BI) Bile secretion, circulation and functions	BI 11.17(VI-IM,PA) HemeCatabolism & jaundice (B)	<b>AN 47.5-47.7(VI-SU)</b> Extra hepatic biliary apparatus (A)	BI 6.13- 6.15(HIAN, PY, VIPA, IM) Liver Function Test(B)		AN 47.5 Pancreas (A)	PY 4.2,4.8(HI-BI) Exocrine Functions of Pancreas (P)	BI 7.5 Detoxification (B)
10:00 – 12:00 noon	PY 10.11 Motor system revision	AN 52.1 Histology of Liver & gall bladder	BI 11.14 Estimation of ALP	PY 4.10 Examination of abdomen		PY 10.11 Cranial Nerves Examination Revision	BI 11.12 estimation of billirubin	PY 4.1-4.10 Charts GIT
12:00- 01:00 pm	AN 47.5 Liver	PY 4.3,4.9 G I Motility II – intestinal motility	BI 5.3(VI-PE) Digestion and absorption of protein studies	<b>AN 52.6(VI-SU)</b> Embryology -Hepato- biliary system and pancreas		BI 6.5(VI- IM) Pyridoxin e, trans amination, ammonia formation	BI 5.4(VI-PE) Urea cycle	AN 47.5 Spleen (A)
2 :00– 3:00 pm	BI 6.11(HI-PY,VI- PA,IM) Heme synthesis & Porphyrias	<b>PY 4.4,4.6(HI-BI)</b> <b>Digestion &amp; absorption of nutrients, gut brain access</b>	AETCOM- Module 1.5 <b>Anatomy Dept</b> Cadaver as first teacher-	AN 47.8-47.11 Portal vein		BI 5.4(VI- PE) Metaboli sm of phenyl alanine & tyrosine	<b>AETCOM- Ted talks Professionalism &amp; ethics –discussion</b>  <b>MEU</b>	PY 4.5 GI Hormones
3:00 -5:00 pm	AN 47.5 Dissection – Duodenum	AN 47.5 Dissection -Liver	Closing session	AN 47.5-47.7 Dissection-Extra hepatic biliary apparatus (A)		AN 47.5 Dissection - Pancreas & spleen (A)	<b>AETCOM- Ted talks Professionalism &amp; ethics – discussion</b>  <b>MEU</b>	Physiology Tutorials (P)



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Time	Day 15 14.03.2020 Sat	Day 16 16.03.2020 0	Day 17 17.03.2020 Tue	Day 18 18.03.2020 Wed	Day 19 19.03.2020 Thu	DAY20 20.03.2020 Fri	DAY 21 21.03.2020 Sat
9:00 -10:00 am	Anatomy UG Seminar <b>11:00 – 01:00</b>	S59 AN 52.6,47.5,47.9 Gross Anatomy: Large intestine, Caecum and appendix, Inferior mesenteric artery	AN 52.6 Embryology- Development and rotation of the gut	BI 5.4(VI-PE) Metabolism of glycine, serine, alanine, 1C metabolism	<b>AETCOM- Professionalism &amp; ethics -Project day/ short film</b>	AN 45.1-45.3 Muscles of Post Ab wall with major blood vessels	<b>Physiology Lab 9:00- 11:00</b>
10:00 – 12:00 noon		11.8,11.21,11.22 (VI-IM) Estimation of total protein	BI 11.8,11.21,11.22 (VI-IM) Estimation of albumin, AG ratio	PY 5.12 BP revision		Biochemistry Tutorial Full Batch	
12:00- 01:00 pm		BI 5.4(VI-PE) Metabolism sulphur containing amino acids, trans methylation	BI 5.4(VI-PE) Metabolism of tryptophan, BCAA, lysine, aspartate, asparagine	AN 49.4 Ischiorectal fossa and anal canal		AN 52.5,47.13,47.14 Gross anatomy & Embryology - Diaphragm	<b>Anatomy UG Seminar 11:00 – 01:00</b>
2 :00– 3:00 pm	Biochemistry Tutorial	AN 52.6(VI-SU) Embryology of GIT (midgut)	AN 52.6 Rectum (A)	AN 52.6 Embryology of GIT- (hindgut)	MEU	PY 4.3,4.6 Large intestine, Defecation Reflex, dietary fibre	Biochemistry Tutorial
3:00 -5:00 pm		AN 52.6 Dissection- large intestines cecum and appendix (A)	AN 52.6 Dissection of rectum	AN 49.4 Dissection - ischiorectal fossa & anal canal		AN 45.1-45.3 Dissection – Muscles of post abdominal wall, IVC, aorta	



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Time	Day 22 23.03.2020 Mon	Day 23 24.03.2020 Tue	Day 24 25.03.2020 Wed	Day 25 26.03.2020 Thu	Day 26 27.03.2020 Fri	DAY 27 28.03.2020 Sat	DAY 28 30.03.2020 Mon
9:00 -10:00 am	AN 48.3,48.4 Lumbo-sacral Plexus	GIT revision	AN 47.5 <b>Kidney- II</b>	AN 47.5,47.6,48.2 Ureter / KUB	<b>BI 6.1(VI-IM) Metabolic processes- fed and fasting state</b>	<b>Physiology Lab 9:00- 11:00</b>	PY 7.3 Tubular secretion& Acidification of Urine
10:00 – 12:00 noon	AN 52.1 Histology of large intestine and appendix	Biochemistry Practical	BI 11.21 Estimation of urea	BI 5.5(VI-IM) Biochemistry charts	Biochemistry Practical		Biochemistry Practical
12:00- 01:00 pm	BI 5.4(VI-PE) Metabolism of glutamate, glutamine, histidine, arginine, proline	AN 47.5 <b>Kidney-I</b>	PY 7.2 Special features of Renal circulation	PY 7.3,7.4 JGA & RAS	PY 7.3 Tubular reabsorption	<b>Anatomy UG Seminar 11:00 – 01:00</b>	PY 7.3 Counter current mechanism
2 :00– 3:00 pm	<b>AN 54.1-54.3 Radiological anatomy of GIT (Radiology)</b>	PY 7.2 Introduction to renal system- nephron	PY 7.1 Non excretory functions of kidney	PY 7.3,7.4 Glomerular filtration, clearance test	<b>BI 11.3 Chemical components of normal urine</b>		<b>Biochemistry Tutorial 02:00 – 05:00</b>
3:00 -5:00 pm	AN 48.3,48.4 Dissection- Lumbo- sacral Plexus	<b>AN 53.1-53.4,54.1- 54.3</b> Osteology and radiological anatomy	PY 4.2, 4.8 Cases resolution: Case 5 Peptic Ulcer &Case 6 Obstructive Jaundice (small group)	AN 47.5 Dissection Kidney	AN 47.5 Dissection Kidney (A)		



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Time	Day 29 31.03.2020 Tue	Day 30 01.04.2020 Wed	Day 31 02.04.2020 Thu	Day 32 03.04.2020 Fri	Day 33 04.04.2020 Sat	DAY 34 07.04.2020 Tue	DAY35 08.04.2020 Wed
9:00 -10:00 am	AN 52.7,52.8(VI- SU,OG) Embryology of KUB (A)	BI 6.13- 6.15,11.17(HI- AN, PY, VI-IM, PA) RFT (B)	AN 47.5(VI-SU) <b>Surgical anatomy of KUB (General Surgery)</b>	S 117 <b>CM 9.1 Demography-basic concepts</b>	Anatomy UG Seminar	S 122 CM 1.8 Demographic profile of India	<b>FA IV ANAT PAPER I Anatomy Theory</b>
10:00 – 12:00 noon	BI 11.4,11.20(HI- PY,VIIM) Normal constituents of urine – I	Physiology tutorial (P)	BI 11.7,11.21,11.22 (VI-IM) Estimation of Creatinine & Clearance test. (B)	AN 52.2 Histology of Bladder & Skin (A)		Biochemistry Tutorials (B) BI 11.4,11.20(HI- PY,VI-IM) Abnormal constituents of urine	
12:00- 01:00 pm	<b>PY 7.5</b> Regulation of ECF, osmolarity, pH	AN 48.2 Urinary Bladder (A)	PY 7.6,7.9 Physiology of Micturition, cystometrogram	Biochemistry Theory Revision (B)		Physiology Revision	
2 :00– 3:00 pm	<b>PY 7.7(VI-IM)</b> Artificial kidney dialysis renal transplantation	AN 48.3,48.4 Introduction to iliac vessels & Sacral plexus (A)	PY 11.1-11.3 Structure & function of skin	Anatomy Theory Revision		Biochemistry charts	
3:00 -5:00 pm	AN 47.5 Dissection- KUB (A)	AN 48.2-48.4 Dissection - Bladder/ Surface marking(	AN 53.1-53.4 Osteology –revision	Physiology tutorial test (GIT) (P)		PY 7.1-7.9 <b>Case 7 Resolution</b> Chronic Renal Failure - Small group	



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<b>Time</b>	<b>Day 36 09.04.2020 Thu</b>	<b>Day37 10.04.2020 Fri</b>	<b>Day 38 11.04.2020 Sat</b>	<b>Day 39 13.04.2020 Mon</b>	<b>Day40 14.04.2020 Tue</b>
<b>9:00 -10:00 am</b>	Anatomy Practical	Physiology Theory	Physiology Practical	Biochemistry Theory	Biochemistry Practical
<b>10:00 – 12:00 noon</b>					
<b>12:00- 01:00 pm</b>					
<b>2 :00– 3:00 pm</b>					
<b>3:00 -5:00 pm</b>					