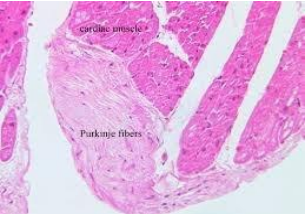
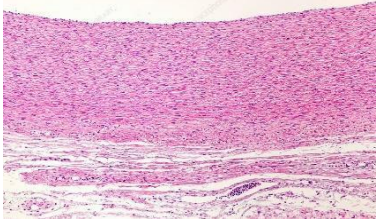
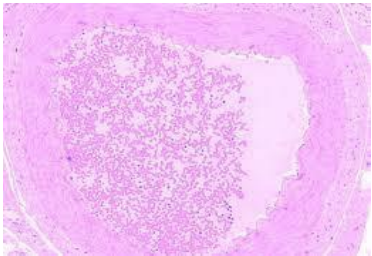


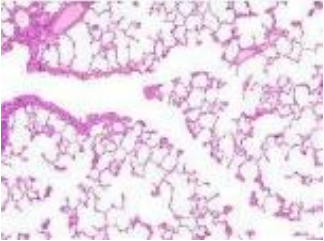
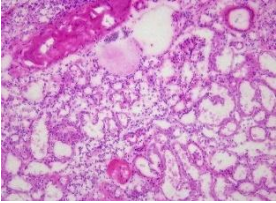

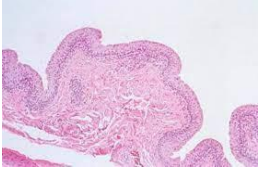


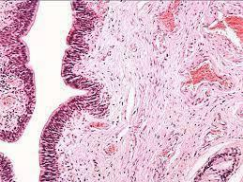
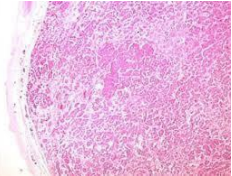
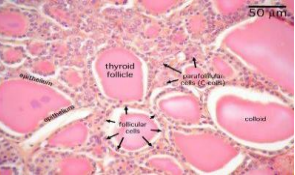
ANNEX 1
Category 3

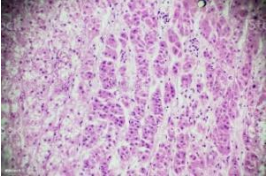
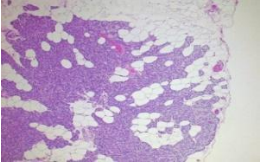
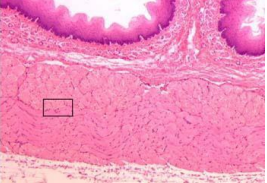
Histology Slides Required for the lab



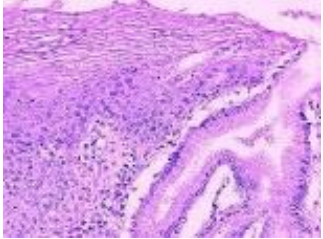
Item no:	Item (Slides)	Description/Identification	Required quantity	Picture
1	Cardiovascular System Heart wall with Purkinje fibers slide(B1)	Three layers of heart: epicardium, myocardium and endocardium with Purkinje fibers	05no's	
2	Cardiovascular System Elastic artery (B2) (B3) slide	Three layers of elastic artery: tunica intima, media and adventitia with abundant elastic fibers	05no's	
3	Cardiovascular System Muscular artery & vein(B4) slide	Three layers of muscular artery: tunica intima, media and adventitia with abundant smooth muscle fibers	05 Nos	

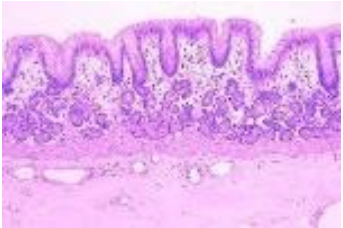
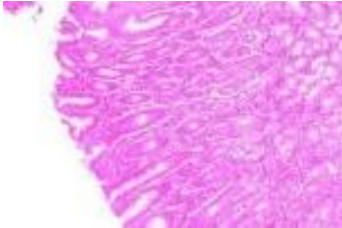
4	Cardiovascular System Large vein (B6) slide	Three layers of large vein: tunica intima, media and adventitia with abundant smooth muscle fibers	05 Nos	
5	Respiratory System Lungs(E1&E3) slide	Lung shows alveoli with different intrapulmonary bronchi	05 Nos	
6	Respiratory System Bronchi(E6) slide	Shows intrapulmonary terminal and respiratory bronchioles	05 Nos	

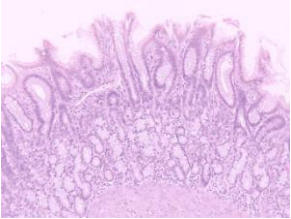

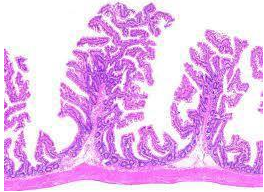
7	Urinary System Kidney slide	Kidney with cortex, medulla and sinus. Cortex shows Bowman's capsule, PCT, DCT, Juxtaglomerular apparatus and medulla shows Ascending and descending limbs and collecting ducts.	5 Nos	
8	Urinary System Ureter slide	Ureter: mucosa transitional epithelium: the lower third has three layers of smooth muscle; Inner longitudinal, middle circular, outer longitudinal. Outer adventitial layer	05	
9	Urinary System Bladder Slide	three layers of smooth muscle, and a transitional epithelium.	05	

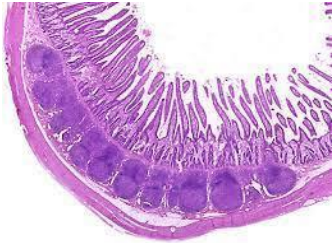
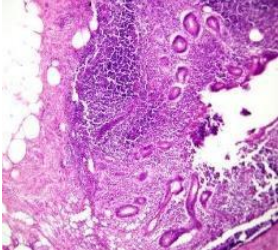
10	Urinary System Urethra Slide	lined by stratified columnar epithelium, with a few small mucosal glands	05	
11	Endocrine Pituitary gland (k1) Slide	Shows anterior, intermediate and posterior pituitary gland	05	
12	Endocrine Thyroid gland (K2) slides	Simple cuboidal epithelium with colloid and external capsule	05	

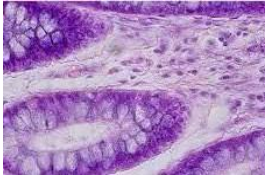
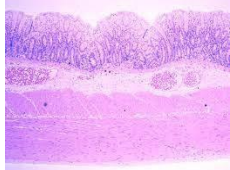
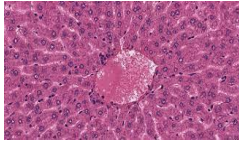
<p>13</p>	<p>Endocrine Adrenal gland (K3) slide</p>	<p>Outer cortex containing zona glomerulosa fasciculata and reticularis and inner medulla</p>	<p>05</p>	
<p>14</p>	<p>Endocrine Parathyroid gland slide</p>	<p>Composed primarily of chief cells and oxyphil cells with thin fibrous capsule dividing gland into lobules</p>	<p>05</p>	
<p>15</p>	<p>Gastrointestinal Upper Esophagus(G3) Slide</p>	<p>non-keratinized stratified squamous type submucosal glands of the esophagus The muscularis externa consists of both inner and outer layers of skeletal muscle only.</p>	<p>05</p>	

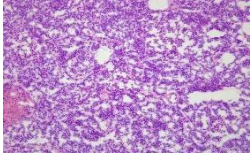
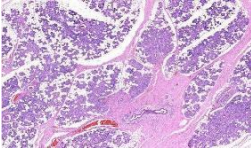
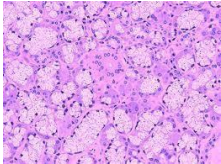
<p>16</p>	<p>Gastrointestinal Middle Esophagus(G4) slide</p>	<p>The muscularis externa contains a mixture of skeletal and smooth muscle</p>	<p>05</p>	
<p>17</p>	<p>Gastrointestinal Lower Esophagus(G5) slide</p>	<p>The muscularis externa contains only smooth muscle</p>	<p>05</p>	
<p>18</p>	<p>Gastrointestinal Gastro-esophageal junction(G6) slide</p>	<p>Shift from the stratified squamous epithelium of the esophagus to the simple columnar epithelium of the stomach</p>	<p>05</p>	

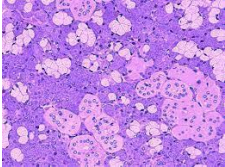
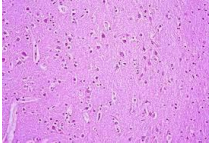
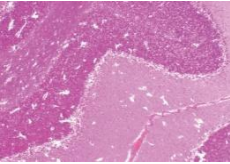
19	Gastrointestinal Stomach-cardia(G7) slide	contains mucous-secreting cells that form a columnar epithelium; gastric glands. gastric pits. lamina propria and muscularis mucosa.	05	
20	Gastrointestinal Stomach-fundus(G8) slide	folds or ridges, called rugae Mucosa - epithelium, lamina propria, and muscularis mucosae. Gastric Pits - Fundic Glands - contain three major cell types: Mucous Neck Cells - Parietal Cells - Chief Cells - Muscularis Mucosae Submucosa Muscularis Externa	05	

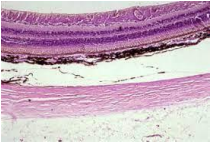

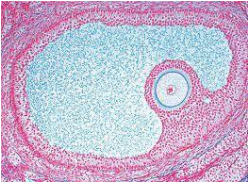
21	Gastrointestinal Stomach-pylorus(G9) slide	The pyloric antrum possesses deep gastric pits and gastric glands. The glands contain G-cells.	05	
22	Gastrointestinal Duodenum(G10) slide	Mucosa: Villa, tall columnar cells crypts of Lieberkuhn muscularis mucosae Brunner's glands muscularis externa	05	
23	Gastrointestinal Jejunum(G11) slide	Mucosa (or mucous membrane) Villi - simple columnar cells with microvilli (or brush border) Goblet Cells - Paneth Cells - Lamina Propria - Muscularis Mucosae Submucosa - Muscularis Externa - (inner circular and outer longitudinal)	05	


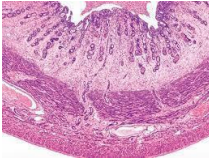
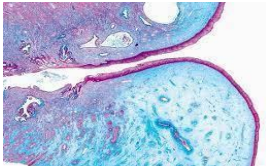
<p>24</p>	<p>Gastrointestinal Ileum(G12) slide</p>	<p>Mucosa Villi - simple columnar cells with microvilli Peyer's patches Goblet Cells - Crypts - intestinal glands Paneth Cells - Lamina Propria - loose connective tissue Muscularis Mucosae - Submucosa - Muscularis Externa -</p>	<p>05</p>	
<p>25</p>	<p>Gastrointestinal Appendix(G14) slide</p>	<p>abundant lymphoid tissue. Mucosa -simple columnar cells M-Cells - Goblet Cells - Crypts - very few in number. Lamina Propria - Lymphatic Nodules Submucosa - nodules may extend Muscularis Externa - Serosa -</p>	<p>05</p>	

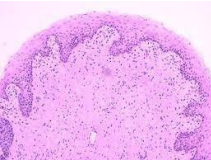
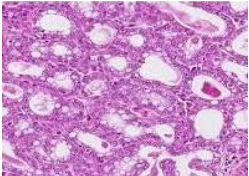
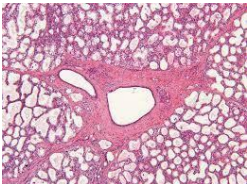
26	Gastrointestinal Rectum(G15) slide	Mucosa Villi - simple columnar cells microvilli Goblet Cells - Crypts-Lamina Propria Muscularis Mucosa - Submucosa - Muscularis Externa - inner circular and outer longitudinal	05	
27	Gastrointestinal Colon(G17) slide	Simple columnar epithelium with crypts of Lieberkuhn and goblet cells	05	
28	Gastrointestinal Liver and Gallbladder(G22) slide	mucosa - simple columnar epithelium and numerous goblet cells. Crypts of Lieberkühn Lamina propria The muscularis mucosae The submucosa The muscularis externa forms three thick longitudinal bands, the taeniae coli	05	

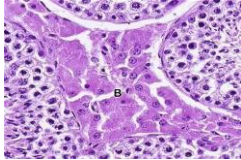
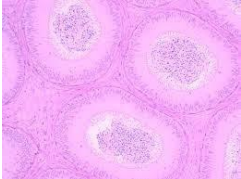
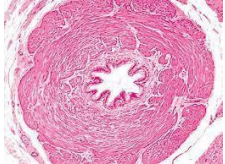
<p>29</p>	<p>Gastrointestinal Pancreas(G23) slide</p>	<p>Exocrine glands and islets of Langerhans</p>	<p>05</p>	
<p>30</p>	<p>Gastrointestinal Parotid gland slide</p>	<p>abundant serous exocrine cells contractile myoepithelial cells intercalated ducts, simple low cuboidal epithelium, Striated ducts</p>	<p>05</p>	
<p>31</p>	<p>Gastrointestinal Sublingual gland(G20) slide</p>	<p>mainly mucous glands: large pyramidal mucous cells with abundant pale blue vacuolated cytoplasm</p>	<p>05</p>	

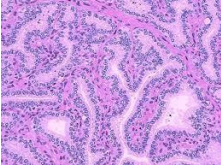
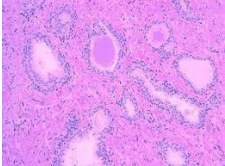
32	Gastrointestinal Submandibular gland(G24) slide	mixed mucous and serous components. The serous cells are arranged in acini whereas the mucous cells are capped with serous demilune cell	05	
33	Neuroscience Cerebrum slide	Outer plexiform (molecular) layer: Outer granular layer: Outer pyramidal layer: Ganglionic or inner pyramidal layer: Multiform cell layer:	05	
34	Neuroscience Cerebellum slides	Molecular layer basket stellate cells Purkinje cells layer Granular layer White matter	05	

<p>35</p>	<p>Neuroscience Retina slide</p>	<p>1) pigmented epithelium 2)photoreceptor layer rods and cones, 3)outer nuclear layer cell bodies of rods and cones, 4) outer plexiform layer 5) inner nuclear layer 6) inner plexiform layer 7) ganglion cell layer 8) optic nerve fiber layer</p>	<p>05</p>	
<p>36</p>	<p>Neuroscience Organ of Corti slide</p>	<p>The organ of Corti rests on the basilar membrane and contains two types of hair cells: inner hair cells and outer hair cells. The fibrous tectorial membrane rests on top of the stereocilia or the outer hair cells.</p>	<p>05</p>	
<p>37</p>	<p>Reproductive system Ovary(J1&2) slides</p>	<p>outer cortex containing oocytes corpus luteum and inner medulla</p>	<p>05</p>	

<p>38</p>	<p>Reproductive system Uterine Tube (J3) slide</p>	<p>Elaborately folded mucosa surrounded by a muscularis The mucosa is lined by a ciliated columnar epithelium with secretory cells</p>	<p>05</p>	
<p>39</p>	<p>Reproductive system Uterus(J4) slide</p>	<p>Endometrium, myometrium and perimetrium</p>	<p>05</p>	
<p>40</p>	<p>Reproductive system Cervix(J6) slide</p>	<p>Endocervix - Simple Columnar Epithelium - Cervical Glands - Ectocervix - Stratified Squamous Non-Keratinized Epithelium - Transformation Zone -</p>	<p>05</p>	

41	Reproductive system Vagina(J8/J9) slide	lining epithelium is stratified squamous lamina propria smooth muscle, which has an inner circular and outer longitudinal layer. Adventitial layer	05	
42	Reproductive system Mammary Gland Non- Lactating Gland(J11) slide	compound, tubulo-alveolar glands Lobes - 15 to 20 lobes separated by septae of connective tissue with adipose cells. Lactiferous Duct - Intralobular Ducts - Alveoli -Simple Epithelium - cuboidal or columnar secretory cells Intralobular Stroma - loose connective tissue with few adipose cells.	05	
43	Reproductive system Lactating Mammary Gland (J12) slide	Alveoli- grow and expand Simple Epithelium - cuboidal or columnar secretory cells Secretion Granules -	05	

44	Reproductive system Testis (H1) slide	seminiferous tubules containing spermatozoa	05	
45	Reproductive system Epididymis (H2) slide	pseudostratified columnar epithelium, with stereocilia	05	
46	Reproductive system Ductus Deferens(H3) slide	pseudostratified columnar epithelium, an inner and outer layer of longitudinal smooth muscle and a middle layer of circular muscle	05	

47	Reproductive system Seminal Vesicle (H4) slide	lumen of each vesicle is highly irregular, giving a honeycomb appearance inner circular and outer longitudinal muscle	05	
48	Reproductive system Prostate(H5) slide	glands are branched, and the epithelium is folded. fibromuscular stroma Prostatic concretions (corpora amylacea)	05	

Note: ALL SLIDES SHOULD BE

- Human Histology Slides for teaching purpose.
- Rectangular glass slides size: 76.2*25.4*(1-1.2) mm
- Mounted on professional glass slide with sealed cover slips
- Individually labeled
- Long lasting hard plastic storage case