1 Basic Sciences
   • Immune system of GIT and its importance in various GI disorders.
   • Molecular biology in relation to GI tract/liver with reference to Gene editing tools.
   • GI tumor and tumor biology.
   • GI hormones in health and diseases.
   • Stem Cells and renewal.

2 Esophagus
   • Motility disorders of esophagus.
   • Approach to a patient with dysphagia.
   • GERD & its management.
   • Tumors of the esophagus with special reference to endoscopic management.
   • Infectious diseases of the esophagus.
   • Management of foreign bodies in esophagus.

3 Stomach
   • Basic Physiology.
   • Pathogenesis of acid peptic disorder.
   • Helicobacter pylori infection in health & diseases.
   • Modern management of acid peptic disorders and its complications.
   • Tumors of stomach.

4 Small Intestine
   • Intestinal electrolyte absorption and secretion.
   • Normal absorption of nutrient.
   • Malabsorption syndromes.
   • Infective diarrhoea.
   • Chronic diarrhoea – approach to diagnosis and management with especial reference to HIV.
   • Short gut syndrome/ small intestinal transplantation.
   • Auto immune disorders of small gut – Celiac diseases.
   • Intestinal pseudo-obstruction/ bacterial overgrowth.
   • Tumors of Small Intestines with special reference to GIST, Lymphomas.
   • Approach to a patient with obscure GI bleed.
5 Colon
- Anatomy, Basic physiology of electrolyte and Water absorption.
- Congenital anomalies.
- Motility disorders – Constipation, pseudo-obstruction, IBS.
- Antibiotic associated diarrhoea.
- Inflammatory bowel disease – Immuno pathogenesis and management with reference to immunomodulator therapy.
- Diverticular disease of colon.
- Colonic polyps and polyposis syndrome.
- Colorectal tumor.

6 Pancreas
- Physiology of pancreatic secretion & Pancreatic function tests.
- Acute necrotising pancreatitis – pathogenesis and management with reference to multidisciplinary step up approach & endoscopic therapy of Walled of Necrosis (WON).
- Chronic Calcific pancreatitis with special reference to Tropical pancreatitis-pathogenesis and management.
- Pancreatic Endotherapy.
- Hereditary pancreatitis.
- Autoimmune pancreatitis.
- Cystic lesions of Pancreas.
- Neuroendocrine tumors of pancreas.
- Pancreatic malignancy.

7 Liver
- Segmental anatomy.
- Liver function tests with reference to Non invasive assessment of liver fibrosis/ cirrhosis.
- Portal hypertension with reference to non cirrhotic portal fibrosis and extra hepatic portal venous obstruction.
- Cirrhosis of liver – complications & management with reference to HRS, ACLF, VARICEAL BLEED.
- Chronic hepatitis B management with reference to newer drugs & immunotherapy.
- Chronic hepatitis C management with reference to eradication with Direct Acting Agent (DAA).
- Metabolic liver disease with reference of Wilson’s disease.
- Drug induced liver injury.
- Alcoholic liver disease.
- NAFLD pathogenesis & management with newer drugs.
- Acute liver failure/ACLF.
- Auto immune Hepatitis.
- Hepatic venous out flow tract obstructions.
• Liver in Pregnancy.
• Liver transplantation and Bio-Artificial liver.
• Hepatocellular carcinoma: pathogenesis & management with reference to Immunotherapy.

8 Biliary Tract
• Physiology of bile formation and secretion/cholestasis.
• Bilirubin metabolism.
• Approach to a patient with Jaundice.
• Gall Stones – Pathogenesis and Management with endoscopic management of Large CBD stone.
• Biliary Stricture – approach to management of indeterminate stricture.
• IgG 4 disease.
• Malignant neoplasm of the biliary system: Ref to endoscopic management.
• Sphincter of Oddi dysfunction/Post cholecystectomy syndrome.

9 Nutrition
• Normal nutrition requirement.
• Assessment of nutritional status.
• Nutritional support in various GI disorders (Malabsorption, pancreatitis).

10 GI Radiology
• MDCT imaging of abdomen.
• M R I Scan with reference to MRCP.
• Interventional Radiology as applied to Gastroenterology: TIPSS/ BRTO/ ENDOVASCULAR THERAPY.

11 Endoscopy
• Endoscopic imaging of small bowel: Capsule Endoscopy, balloon enteroscopy.

12 Miscellaneous
• Human intestinal microbiota/Microbiome.
• Obesity; pathogenesis & management with reference to endoscopic bariatric procedures.
• Third space/ submucosal endoscopy.

Pattern of Question Papers:
1. Objective Type Paper
2. Maximum Marks : 180
3. Number of Questions : 180
4. Duration of Paper : Three Hours
5. All Questions carry equal marks
6. There will be Negative Marking