

**M.Ch. – HEPATO PANCREATICO BILIARY SURGERY**

**Paper I – BASIC SCIENCES AND GENERAL PRINCIPLES IN  
HPB SURGERY**

*Q.P. Code: 181971*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the development and surgical anatomy of the caudate lobe of the liver.
2. Describe the relevance of liver function tests in disease conditions affecting hepatobiliary system.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Physiology of biliary excretion.
2. Immunohistochemistry in liver tumors.
3. Implications of vascular supply of the bile duct in bile duct injury.
4. Lymphatic drainage of the gall bladder and its relevance in resections in carcinoma gall bladder.
5. Histology of gall bladder wall.
6. Anatomy of Rouvier's sulcus.
7. Acute on chronic pancreatitis.
8. Anomalous pancreatobiliary ductal junction.
9. Classification of fluid collections and cysts in acute pancreatitis.
10. Pathology of non-cirrhotic portal fibrosis.

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(MCH 0821)

AUGUST 2021

Sub. Code: 1971

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**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Blood supply of the liver and vascular anomalies.
2. Pathophysiology of cholangitis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Congenital anomalies of gallbladder.
2. Segment 4 liver.
3. Choledocholithiasis.
4. Autoimmune pancreatitis.
5. Pancreatic function tests.
6. Biliary dyskinesia.
7. Pathogenesis of pain in chronic pancreatitis.
8. Glucagonoma.
9. Development of uncinata process and variations.
10. Metabolic consequences of external biliary fistula.

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**(MCH 0822)**

**AUGUST 2022**

**Sub. Code: 1971**

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**Paper I – BASIC SCIENCES AND GENERAL PRINCIPLES IN  
HPB SURGERY**

***Q.P. Code: 181971***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Preoperative biliary drainage in hepato pancreato biliary surgery – indications, techniques, complications and controversies.
2. Abernethy malformation – pathogenesis, classification, complications, diagnosis and management.

**II. Write notes on:**

**(10 x 7 = 70)**

1. International normalized ratio.
2. Microscopic anatomy of the liver and zones of injury.
3. Combined hepatocellular – cholangio carcinoma.
4. Standard lymphadenectomy for pancreatic ductal adenocarcinoma as recommended by the International Study Group on Pancreatic Surgery (ISGPS).
5. Clavien-Dindo classification of surgical complications.
6. Palliative treatment of pancreatic cancer.
7. Duodenal gastrointestinal stromal tumours.
8. Makuuchi's criteria for safe hepatic resection.
9. Application of KRAS mutation in colorectal liver mutation.
10. Associated congenital anomalies in children with biliary atresia.

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