

(LP 971)

AUGUST 2019

Sub. Code: 1971

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.

(MCH 0821)

AUGUST 2021

Sub. Code: 1971

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. 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. Developement of uncinate process and variations.
10. Metabolic consequences of external biliary fistula.

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1971

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. 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.

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1971

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 embryology and congenital anomalies associated with Pancreas.
2. Discuss the use of Energy devices, the mechanism of action, tissue effects and appropriate applications of these to achieving an optimal surgical outcome in HPB operations.

II. Write notes on:

(10 x 7 = 70)

1. Alpha-fetoprotein.
2. Biliary Ascariasis.
3. Hepatobiliary scintigraphy.
4. Refeeding syndrome.
5. Portal vein embolization.
6. Role of PET Scans in Pancreatic diseases.
7. Percutaneous transhepatic biliary drainage (PTBD) in obstructive Jaundice.
8. Transjugular Intrahepatic Portosystemic Shunt.
9. Liver Imaging Reporting and Data System (LI-RADS).
10. Enhanced recovery after surgery (ERAS) in Liver diseases.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1971

M.Ch. BRACH XIII – HEPATO PANCREATICO BILIARY SURGERY

**PAPER I – BASIC SCIENCES & GENERAL PRINCIPLES IN
HPB SURGERY**

Q.P. Code: 181971

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Diagnosis, associated malformations and management of biliary atresia. Mention factors which affect outcome. Indications for liver transplantation and possible difficulties encountered during transplantation for these patients.
2. Treatment of carcinoma pancreas (head and body) with adjacent vascular involvement.

II. Write notes on:

(10 x 7 = 70)

1. Hepatic arterial buffer response.
2. Microscopic anatomy of the liver with a brief note on hepatic stellate cells.
3. Management of “disappearing” liver metastases from colorectal cancer after chemotherapy.
4. Splenic artery pseudoaneurysm.
5. Genetic syndromes associated with pancreatic ductal adenocarcinoma.
6. Total pancreatectomy – indications and post-operative management.
7. Techniques of biliary cannulation during endoscopic retrograde cholangiopancreatogram.
8. Assessment of pancreatic exocrine function.
9. Immunohistochemical characteristics and mutations of adenocarcinoma arising from the bile duct. How do you differentiate these cancers from other cancers of the gastrointestinal tract.
10. Role of Prehabilitation in HPB Surgery with a brief mention about the Frailty index.
