

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

**Paper IV – HPB AS APPLIED TO ALLIED SCIENCES AND  
RECENT ADVANCES IN HPB SURGERY**

*Q.P. Code: 181974*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the current management of colorectal liver metastasis.
2. Describe in detail the radiological image workstation platforms and its applications in liver resections including liver transplantation.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Argon plasma coagulation.
2. Usage of thrombo-elastography.
3. Endosonography in pancreatic diseases.
4. Use of indocyanine green in HPB surgery.
5. Newer antiviral therapy for hepatitis C.
6. Simulation in surgical training.
7. Ventilator associated pneumonia.
8. Use of robotics in HPB surgery.
9. ALPPSS procedure.
10. Newer immunosuppressants in liver transplantation.

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(MCH 0821)

AUGUST 2021

Sub. Code: 1974

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**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Advances in the management of necrotizing pancreatitis with evidences.
2. Role of laparoscopic and robotic techniques in liver surgery.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Immunonutrition in liver diseases.
2. Liver donation after cardiac death.
3. Islet cell auto transplantation.
4. Irreversible electroporation in liver and pancreatic cancer.
5. Image guided liver surgery.
6. ESWL in chronic pancreatitis.
7. Adjuvant therapies in pancreatic adenocarcinoma.
8. Artery first approach in pancreaticoduodenectomy.
9. Endotherapy in gallstone disease.
10. Auxillary liver transplantation.

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

**(MCH 0822)**

**AUGUST 2022**

**Sub. Code: 1974**

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**Paper IV – HPB AS APPLIED TO ALLIED SCIENCES AND  
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*Q.P. Code: 181974*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Artificial liver support systems for liver failure.
2. Applications of Artificial intelligence including augmented reality for hepato pancreato biliary surgeons.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Contrast agents used during CT scan for hepato pancreato biliary disease.
2. Radical antegrade modular pancreateosplenectomy (RAMPS).
3. Role of PET CT in pancreatic neuro endocrine tumours.
4. Endoscopic management of portal cavernoma cholangiopathy.
5. Indocyanine green fluorescence cholangiography.
6. Recent advances in chemotherapy for pancreatic carcinoma.
7. Applications of splenic artery embolization.
8. Pathophysiology, diagnosis and management of tumour lysis syndrome.
9. Neoadjuvant chemotherapy for gallbladder carcinoma.
10. Tranexamic acid during hepatectomy.

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