

April-2001

[KD 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Gastroenterology

(Revised Regulations)

Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss the non-surgical management of complications of chronic pancreatitis. (25)
2. Role of liver transplant in Indian scenerio (25)
3. Short notes on : (5 × 10 = 50)
  - (a) HBV mutants.
  - (b) Vipoma.
  - (c) Neonatal Hepatitis.
  - (d) Hepato pulmonary syndrome.
  - (e) Treatment of Intra hepatic cholestasis.

November-2001

[KE 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY AND PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Give an account of the diagnosis and management of Autoimmune hepatitis. (25)
2. Discuss the aetiology and pathogenesis of chronic pancreatitis. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Shwachman Syndrome.
  - (b) Management of coagulation defect in liver disease.
  - (c) Iatrogenic hepato-renal syndrome.
  - (d) Prediction of bleeding from oesophageal varices.
  - (e) Management of Wilson's disease.

March-2002

[KG 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY AND PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the natural history and management of Hepatitis C. (25)
2. Discuss the diagnosis and management of pancreatic necrosis. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Diagnosis of Hereditary haemochromatosis
  - (b) Management of laparoscopic injury to bile duct
  - (c) Crigler-Najjar Syndrome
  - (d) Hepato-Pulmonary Syndrome
  - (e) Endotherapy in Chronic pancreatitis.

September-2002

**[KH 015]**

**Sub. Code : 1253**

**D.M. DEGREE EXAMINATION**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch IV — Gastroenterology**

**Paper III — HEPATOBILIARY AND PANCREATIC  
DISEASES**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss the aetiology and pathogenesis of Acute pancreatitis. (25)
  2. Discuss the patho physiology, diagnostic criteria and management of Hepato renal syndrome. (25)
  - 3 Write short notes on (50)
    - (a) Diagnosis of cystic fibrosis of Pancreas
    - (b) Medical management of variceal bleed
    - (c) INH induced hepatitis
    - (d) Veno occlusive disease
    - (e) Retained common bile duct stone.
-

[KK 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

A. Essay :                                              (2 × 15 = 30)

(1) Discuss the diagnostic and prognostic criteria of acute pancreatitis - classical and modified.

(2) Wilson's disease — Discuss the Etiology, Clinical features. Investigation and management.

B. Write short notes on :                      (10 × 5 = 50)

- (1) Hepato pulmonary syndrome.
- (2) HBV mutants.
- (3) Absolute and relative contra indications of liver transplantation.
- (4) Hepato biliary complication of inflammatory bowel disease.
- (5) Interferons.
- (6) Non-invasive pancreatic function tests.
- (7) Pancreatic divisum.
- (8) Non-surgical management of pancreatic pseudocyst.
- (9) Spontaneous bacterial peritonitis.
- (10) Management of refractory ascitis.

**[KL 015]**

**Sub. Code : 1253**

**D.M. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Discuss etiopathogenesis, diagnosis and management of primary sclerosing cholangitis.

(2) Write in detail the types, etiopathogenesis, diagnosis and management of Budd-Chiari syndrome.

II. Write short notes on : (10 × 5 = 50)

(a) HBeAg – Negative chronic hepatitis 'B'.

(b) Auto immune Hepatitis.

(c) Measurement of hepatic blood flow.

(d) MELD Score.

(e) Adefovir Dipiroxil.

(f) Treatment options for hepatic fibrosis.

(g) Pancreatic pseudocyst.

(h) Endoscopic treatment of chronic pancreatitis.

(i) Dual label Schilling test.

(j) Treatment options for Non resectable hilar cholangio carcinoma.

[KM 015]

Sub. Code : 1253

**D.M. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulation)

Branch IV — Gastroenterology

**Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I Essay :

(2 × 15 = 30)

(1) Describe etiopathogenetic mechanisms, epidemiology, clinical features, diagnosis and management of gall stone disease.

(2) How do you approach to a case of pancreatic necrosis? Please highlight the various issues including role of imaging, FNA, antibiotics and newer modalities of management.

II. Write short notes on :

(10 × 5 = 50)

- (a) Minimal hepatic encephalopathy
- (b) HBV genotypes
- (c) Post Liver transplant biliary complications
- (d) Autoimmune pancreatitis
- (e) Is Adefovir the first line treatment of chronic HBV infection?
- (f) Does pre operative biliary drainage improve the outcome of surgery for obstructive jaundice?
- (g) Non invasive assessment for liver fibrosis
- (h) Insulin resistance syndrome and NAFLD
- (i) Is cirrhosis reversible?
- (j) Overlap syndromes.

**[KO 015]**

**Sub. Code : 1253**

**D.M. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulation)**

**Branch IV — Gastroenterology**

**Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Essay :                                              (2 × 15 = 30)**

**(1) Describe the genetics, clinical features, diagnosis and management of hereditary haemochromatosis.**

**(2) Describe the approach to the diagnosis and management of hepatitis C infection.**

**II. Short notes on :                                              (10 × 5 = 50)**

- (a) Subclinical hepatic encephalopathy**
- (b) Post-cholecystectomy bile leak**
- (c) Diagnosis of autoimmune hepatitis**
- (d) Management of hepatorenal syndrome**
- (e) Complications of pancreatic diabetes**
- (f) Annular pancreas**
- (g) Negative feedback of pancreatic enzyme secretion**
- (h) Endoscopic therapy of gall stone pancreatitis**
- (i) AIDS cholangiopathy**
- (j) Long term effects of biliary sphincterotomy.**



[KP 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(1) Describe the pathophysiology and management of multi-organ dysfunction in a patient with necrotising pancreatitis. (20)

(2) Describe the pathophysiology and management of hepatorenal syndrome. (15)

(3) Describe the physiology of the Sphincter of Oddi. Discuss the presentation, diagnosis and management of dysfunction of the Sphincter. (15)

II. Write short notes on :

(6 × 5 = 30)

- (a) Crigler Najjar Syndrome
  - (b) Hepatic effects of methotrexate
  - (c) Biliary microlithiasis
  - (d) Treatment of Hepatitis D virus infection
  - (e) Cationic trypsinogen gene mutations
  - (f) Endoscopic papillectomy.
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**[KQ 015]**

**Sub. Code : 1253**

**D.M. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

**Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

**I. Essay :**

1. Definition, diagnostic criteria, subclassification and management of autoimmune hepatitis. (20)
2. Discuss the aetiology, risk factors, pathogenesis and treatment of NAFLD. (15)
3. Discuss the aetiology, clinical features, diagnostic criteria and management of autoimmune pancreatitis. (15)

**II. Short notes :**

(6 × 5 = 30)

1. Role of MELD scoring system in liver transplantation.
2. Non-surgical management of early hepatocellular carcinoma.
3. Progressive familial intrahepatic cholestasis.
4. Management of Hepatitis B and C in HIV positive patients.
5. Medical management of gall stone disease.
6. Different modalities in endoscopic management of pancreatic lithiasis.

[KR 015]

Sub. Code : 1253

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper III — HEPATOBILIARY, PANCREATIC  
DISEASES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay questions :

1. Describe the scoring systems in acute pancreatitis. (20)
2. Discuss the management of cholangiocarcinoma. (15)
3. Discuss liver transplant dysfunction. (15)

II. Short notes – Each carry 5 marks : (6 × 5 = 30)

- (a) ccc DNA
- (b) Genetics in chronic pancreatitis
- (c) Post-cholecystectomy bile leak
- (d) Treatment of Wilsons disease
- (e) Fat maldigestion
- (f) HELLP syndrome.

August 2008

[KT 015]

Sub. Code: 1253

**D.M. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch IV – GASTROENTEROLOGY**

**(Revised Regulations)**

**Paper III – HEPATOBILIARY, PANCREATIC DISEASES**

*Q.P. Code: 161253*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Classify various cystic lesions of pancreas. Give a detail commentary on primary cystic neoplasms of pancreas.
2. Describe the pathophysiology, diagnosis and treatment of hemochromatosis. Discuss the natural history and preventive measures of hepatoma associated with hemochromatosis.

**II. Write short notes on:**

**10 x 6 = 60**

1. Monoclonal antibodies in treatment of alcoholic hepatitis.
2. Hepatitis 'G' virus.
3. Veno-occlusive disease.
4. Prognostic criteria in acute pancreatitis.
5. Klatskin tumor.
6. Cystic tumors of pancreas.
7. Immunopathogenesis of chronic hepatitis 'C'.
8. Antiviral treatment strategy for chronic HBV infection.
9. Recurrent pyogenic cholangitis.
10. Choledocholithiasis.

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August 2009

[KV 015]

Sub. Code: 1253

**D.M. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch IV – GASTROENTEROLOGY**

**(Revised Regulations)**

**Paper III – HEPATOBILIARY, PANCREATIC DISEASES**

*Q.P. Code: 161253*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Fatty liver disease – epidemiology, aetiopathogenesis, and current trends in management.
2. Diagnostic and prognostic criteria in acute pancreatitis. Discuss role of enteric nutrition in acute pancreatitis.

**II. Write short notes on:**

**10 x 6 = 60**

1. Genetics of Wilson's disease.
2. Overlap syndromes.
3. Cholestasis of pregnancy – approach to management.
4. Minimal hepatic encephalopathy.
5. Vaccine therapy for chronic 'B' hepatitis.
6. Statins and liver.
7. Groove pancreatitis.
8. Hepatic stellate cells.
9. Tubeless pancreatic function tests.
10. Hepatitis G and GB agent infection.

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February 2011

[KY 015]

Sub. Code: 1253

**DOCTOR OF MEDICINE (D.M.) DEGREE EXAMINATION**

**(Super Specialities)**

**Branch IV – GASTROENTEROLOGY**

**(Revised Regulations)**

**Common to all candidates**

**Paper III – HEPATOBILIARY, PANCREATIC DISEASES**

*Q.P. Code: 161253*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Pathogenesis and treatment of Alcoholic Liver Disease.
2. Diagnosis and treatment of Autoimmune pancreatitis.

**II. Write short notes on:**

**10 x 6 = 60**

1. Drug induced chronic cholestasis.
2. Hepatic venous pressure Gradient.
3. Choledochal cysts.
4. Hepatitis C recurrence after liver transplantation.
5. Tumour markers for Hepatocellular carcinoma.
6. Vascular complications of acute pancreatitis.
7. Porto pulmonary syndrome.
8. Role of antibiotics in pancreatitis.
9. Epidemiology of pancreatic cancer.
10. Therapeutic applications of EUS in pancreatic disorders.

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August 2011

[KZ 015]

Sub. Code: 1253

**DOCTORATE OF MEDICINE (D.M.) DEGREE EXAMINATION  
(SUPER SPECIALITIES)**

**BRANCH IV – GASTROENTEROLOGY  
HEPATOBIILIARY, PANCREATIC DISEASES  
Q.P. Code: 161253**

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks  
(Max.) (Max.) (Max.)**

- |                                                                                                      |    |    |    |
|------------------------------------------------------------------------------------------------------|----|----|----|
| 1. Describe various Cystic lesions of liver. Give a detailed commentary on Hydatid disease of liver. | 11 | 35 | 15 |
| 2. Describe the pathology, diagnosis and treatment of Pancreatic cancer.                             | 11 | 35 | 15 |

**II. Write notes on :**

- |                                           |   |    |   |
|-------------------------------------------|---|----|---|
| 1. Emphysematous cholecystitis.           | 4 | 10 | 7 |
| 2. Extracorporeal shock wave lithotripsy. | 4 | 10 | 7 |
| 3. Hepatomegaly in HIV.                   | 4 | 10 | 7 |
| 4. Recurrent pyogenic cholangitis.        | 4 | 10 | 7 |
| 5. Choledochal cyst.                      | 4 | 10 | 7 |
| 6. Pancreatic duct leaks.                 | 4 | 10 | 7 |
| 7. Cystic fibrosis.                       | 4 | 10 | 7 |
| 8. Hereditary Pancreatitis.               | 4 | 10 | 7 |
| 9. Ectopic Pancreatic tissue.             | 4 | 10 | 7 |
| 10. Anomalous Pancreaticobiliary unions.  | 4 | 10 | 7 |

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[LB 015]

AUGUST 2012

Sub. Code: 1253

**D.M – GASTROENTEROLOGY**

**Paper – III HEPATOBILIARY, PANCREATIC DISEASES**

*Q.P. Code: 161253*

**Time: 3 hours  
(180 Min)**

**Maximum: 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |                                                                                           |    |    |    |
|-------------------------------------------------------------------------------------------|----|----|----|
| 1. Liver diseases encountered during pregnancy – diagnosis, investigations and treatment. | 16 | 35 | 15 |
| 2. Recurrent acute pancreatitis: causes, investigations and treatment.                    | 16 | 35 | 15 |

**II. Write notes on:**

- |                                                                                 |   |    |   |
|---------------------------------------------------------------------------------|---|----|---|
| 1. Management of benign focal liver lesions.                                    | 4 | 10 | 7 |
| 2. Causes of jaundice in a HIV infected person, discuss management of the same. | 4 | 10 | 7 |
| 3. Management of biliary sludge.                                                | 4 | 10 | 7 |
| 4. Vaccine against Hepatitis E.                                                 | 4 | 10 | 7 |
| 5. Management of Caroli's disease.                                              | 4 | 10 | 7 |
| 6. Management of Ischemic Hepatitis.                                            | 4 | 10 | 7 |
| 7. Hepatic venous pressure gradient measurement: technique, clinical utility.   | 4 | 10 | 7 |
| 8. Management of cystic lesions of the pancreas.                                | 4 | 10 | 7 |
| 9. Portopulmonary hypertension – definition, management.                        | 4 | 10 | 7 |
| 10. Management of pancreatic ascites.                                           | 4 | 10 | 7 |

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**D.M. – GASTROENTEROLOGY**  
**Paper – III HEPATOBILIARY, PANCREATIC DISEASES**  
*Q.P.Code: 161253*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Discuss the management of patient suffering from Chronic hepatitis C virus infection.
2. Discuss the pathophysiology and management of acute necrotizing pancreatitis.

**II. Write notes on:**

**(10X7=70)**

1. What is the effect of Hepato pulmonary syndrome with respect to liver transplantation?
2. Mention the criteria to diagnose Shwachman diamond syndrome.
3. Briefly analyse the role of Statins with respect to liver dysfunction.
4. What are the various types of Schilling test?
5. Mention the role of Provocative tests in Gilbert's syndrome.
6. Mention various modalities of diagnosing Biliary microlithiasis.
7. Discuss briefly the diagnostic criteria and management of Minimal Hepatic Encephalopathy.
8. Analyse the various nonsurgical options in Early Hepatocellular carcinoma management.
9. What are the clinical features, diagnostic criteria of Veno-occlusive disease.
10. What are the current trends in the management of Hep 'e' negative chronic HBV state.

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[LF 015]

AUGUST 2014

Sub. Code: 1253

**D.M. – GASTROENTEROLOGY**

**Paper III – HEPATOBILIARY, PANCREATIC DISEASES**

*Q. P. Code: 161253*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Etiopathogenesis, clinical features, diagnosis and management of chronic Pancreatitis.
2. Discuss the evaluation and management of Acute liver failure.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Management of pseudocyst of pancreas
2. Bio degradable biliary stents
3. Post ERCP pancreatitis
4. Auto immune pancreatitis- simplified criteria for diagnosis
5. TACE
6. Coagulation disorders in Chronic liver disease
7. Enterohepatic circulation
8. Recurrent acute pancreatitis
9. Direct per oral cholangioscopy
10. Budd Chiari syndrome.

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