

April-2001

[KD 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Gastroenterology

(Revised Regulations)

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the diagnosis, pathogenesis and treatment of Abdominal Tuberculosis. (25)
  2. What are the causes of malabsorption as seen in India. Discuss how you will evaluate a case of mal absorption. (25)
  3. Short notes on : (5 × 10 = 50)
    - (a) Pre cancerous lesions of oesophagus.
    - (b) Non surgical management of Achalasia cardia.
    - (c) Aetiology of Cirrhosis in a 3 year old Indian child
    - (d) Recurrent ulcer after Helicobacter pylori eradication.
    - (e) Retained common bile duct stone,
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November-2001

[KE 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss the clinical features, pathogenesis, diagnosis and management of pseudo-membranous enterocolitis. (25)
  2. Discuss the pathogenesis, prevention and treatment of NSAID (non-steroidal anti-inflammatory drug) induced lesions in the G.I. tract. (25)
  - 3 Write short notes on : (5 × 10 = 50)
    - (a) Hirschsprung's disease.
    - (b) Viral diarrhoea.
    - (c) Screening for colon cancer.
    - (d) Visceral hyperalgesia.
    - (e) Cholestasis in neonates.
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March-2002

**[KG 014]**

**Sub. Code : 1252**

**D.M. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

**Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY**

Time : Three hours

—Maximum : 100 marks

Answer ALL questions.

1. What are the prognostic indicators of Carcinoma colon? Discuss the role of chemotherapy in the management of Carcinoma colon. (25)
2. Critically evaluate the Helicobacter pylori eradication regimes. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Prevention of hepatocellular carcinoma
  - (b) Infantile cholangiopathies
  - (c) Faecal incontinence
  - (d) Rectal gas
  - (e) Vasculitis of Splanchnic circulation.

September-2002

[KH 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRICS AND PREVENTIVE  
GASTROENTEROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the causes of malabsorption as seen in India. How will you investigate to establish diagnosis? (25)

2. Discuss the pathogenesis, clinical features and complications of Colonic diverticulosis. (25)

3. Write short notes on (50)

(a) Achalasia cardia

(b) Choledochal cyst

(c) Management of acute corrosive injury

(d) Malt Lymphoma

(e) Barrett's oesophagus.

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Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

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.

A. Essay : (2 × 15 = 30)

(1) Describe the etiopathogenesis and management of IPSID (Immuno Proliferative Small Intestinal Disease).

(2) Describe the G.I. manifestations of AIDS.

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

- (1) Hirschsprung's disease
- (2) Prevention of acute viral hepatitis
- (3) Role of dietary fibre in GI disorders
- (4) Scope and usefulness of helicobacter pylori vaccination
- (5) Diagnostic approach to a child with hepatobiliary disease
- (6) Newer markers of pancreatic carcinoma
- (7) Bile peritonitis
- (8) Lamivudine
- (9) Management of common bile duct stone
- (10) Oral rehydration therapy.

[KL 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

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) How do you approach to a case of upper gastrointestinal bleeding? Give the current recommendations for management of variceal bleeding.

(2) Give a detailed account of prevalence, etiopathogenesis, diagnosis and management of short bowel syndrome.

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

(a) Eosinophilic gastroenteritis

(b) Diffuse small bowel ulcers

(c) 5 HT 4 agonists

(d) Endoscopic treatment of GERD

(e) Chemoprevention in familial colon cancer

(f) Criteria and classification of sphincter of oddi dysfunction

(g) Does H.Pylori eradication reduce complications in patients taking low dose aspirin?

(h) Is Irritable bowel syndrome a post infectious and inflammatory bowel disorder?

(i) Byler's disease

(j) Gene therapy in cystic fibrosis.

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

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(Higher Specialities)

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Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

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) Write current concepts in the etiopathogenesis, clinical presentation, diagnosis and management of celiac sprue.

(2) Describe the genetics, clinical features, diagnostic criteria and management of Wilson's disease.

- (a) CFTR gene.
- (b) Eucopresis.
- (c) Refractory sprue.
- (d) Percutaneous endoscopic colostomy.
- (e) Clinical syndromes of salmonella infections.
- (f) Viral diarrhoea in children.
- (g) Clostridium difficile toxins.
- (h) Breath tests in small bowel bacterial overgrowth syndrome.
- (i) Strategies to enhance immunogenicity of HBV vaccination.
- (j) Prebiotics.

[KO 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

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 :

(2 × 15 = 30)

(1) Classify the gastrointestinal involvement seen in diabetes mellitus. Outline the pathophysiology, clinical features, diagnosis and treatment of diabetic diarrhoea.

(2) Describe the pathogenesis, clinical features, management and prevention of nonsteroidal anti-inflammatory drug induced injury to the stomach.

II. Short notes :

(10 × 5 = 50)

- (a) Rectal prolapse in children
- (b) Collagenous colitis
- (c) Diffuse Oesophageal spasm
- (d) Zenker's diverticulum
- (e) Antibiotic therapy of acute diarrhoea
- (f) Immunnoproliferative small intestinal disease
- (g) The parietal cell
- (h) Meconium ileus
- (i) Omphalocele
- (j) Testing for faecal occult blood.



[KQ 014]

Sub. Code : 1252

D.M. DEGREE EXAMINATION.

(Higher specialities)

(Revised Regulations)

Branch IV — Gastroenterology

Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY

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. Discuss the consequences, evaluation and management of gastrointestinal AIDS. (20)
2. Discuss modalities in endoscopic treatment of upper gastrointestinal diseases. (15)
3. Discuss prevalence, pathophysiology, diagnosis and treatment of fecal incontinence. (15)

II. Short notes :

(6 × 5 = 30)

1. Immunological basis of H. Pylori gastritis.
2. Management of radiation colitis
3. Management of caustic injury of the esophagus.
4. Optical techniques for endoscopic detection of dysplastic colonic lesions.
5. 'Three-hit' hypothesis of NSAID enteropathy.
6. Enteral rehydration verses parenteral rehydration for infantile gastroenteritis.

**[KR 014]**

**Sub. Code : 1252**

**D.M. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch IV — Gastroenterology**

**Paper II — GENERAL GASTROENTEROLOGY  
INCLUDING PAEDIATRIC AND PREVENTIVE  
GASTROENTEROLOGY**

**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 questions :**

**(1) Define Malnutrition. Discuss its consequences and assessment of nutrition. Discuss the roles of Enteral and parenteral nutrition in various Gastrointestinal and Hepatic Diseases.                      (20)**

**(2) Discuss the pathophysiology and current management of colorectal cancer. What are the screening guidelines for high risk patients and various prevention strategies?                      (15)**

**(3) Etiology, clinical features, diagnosis and management of intestinal pseudo obstruction.                      (15)**

**II. Short notes :**

**(6 × 5 = 30)**

- (a) Solitary rectal ulcer**
- (b) Diffuse esophageal spasm.**
- (c) Hereditary non polyposis colon cancer**
- (d) Oral rehydration solution**
- (e) Capsule endoscopy.**
- (f) Rectal prolapse in children.**

August 2008

[KT 014]

Sub. Code: 1252

**D.M. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch IV – GASTROENTEROLOGY**

**(Revised Regulations)**

**Paper II – GENERAL GASTROENTEROLOGY INCLUDING  
PAEDIATRIC AND PREVENTIVE GASTROENTEROLOGY**

*Q.P. Code: 161252*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Describe classification and staging of G1 lymphoma. Discuss Etiopathogenesis, Diagnosis and management of gastric lymphoma.
2. Discuss the epidemiology, pathogenesis, diagnosis, management and complications of gastro esophageal reflux disease.

**II. Write short notes on:**

**10 x 6 = 60**

1. Mirizzi's syndrome.
2. Caroli's disease
3. Endosonographic criteria for diagnosis of chronic pancreatitis.
4. Cameron ulcer.
5. Byler's Disease.
6. Chemo prevention in familial colon cancer.
7. Gene therapy in cystic fibrosis.
8. Meckel's Diverticulum.
9. Mal roatation of gut.
10. Achalasia Cardia.

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August 2009

[KV 014]

Sub. Code: 1252

**D.M. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch IV – GASTROENTEROLOGY**

**(Revised Regulations)**

**Paper II – GENERAL GASTROENTEROLOGY INCLUDING  
PAEDIATRIC AND PREVENTIVE GASTROENTEROLOGY**

*Q.P. Code: 161252*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Pathophysiology of peptic ulcer disease and management.
2. Paediatric inflammatory bowel disease – management strategies.

**II. Write short notes on:**

**10 x 6 = 60**

1. Breath tests in malabsorption.
2. Pseudomembranous colitis.
3. MALT lymphoma.
4. Surveillance in Barrett's Oesophagus.
5. Chemoprevention in colon cancer.
6. Cryptosporidiasis.
7. Recurrent abdominal pain in children.
8. Imperforate anus.
9. Cholera toxin.
10. Bariatric surgery in Indian population.

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February 2011

[KY 014]

Sub. Code: 1252

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

**(Super Specialities)**

**Branch IV – GASTROENTEROLOGY**

**Revised Regulations**

**Common to all candidates**

**Paper II – GENERAL GASTROENTEROLOGY INCLUDING  
PAEDIATRIC AND PREVENTIVE GASTROENTEROLOGY**

*Q.P. Code: 161252*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40**

1. Diagnosis and management of constipation in children.
2. Discuss the etiology and pathogenesis of Gastric Cancer and what steps to take to prevent its occurrence.

**II. Write short notes on:**

**10 x 6 = 60**

1. Meckel's Diverticulum.
2. Small Intestinal Bacterial Overgrowth.
3. Infectious Diarrhoea in the tropics.
4. Chemical colitis.
5. Approach to obscure GI Bleed.
6. Rifaximin.
7. Eosinophilic Esophagitis.
8. Refractory peptic ulcers.
9. Enzyme replacement therapy for chronic Pancreatitis.
10. Refeeding syndrome.

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August 2011

[KZ 014]

Sub. Code: 1252

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

**BRANCH IV – GASTROENTEROLOGY  
GENERAL GASTROENTEROLOGY INCLUDING PAEDIATRIC  
AND PREVENTIVE GASTROENTEROLOGY  
*Q.P. Code: 161252***

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

**Maximum : 100 marks**

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

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Causes and management of Acute erosive gastritis.	11	35	15
2. UGI bleed in children – management strategies.	11	35	15

**II. Write notes on :**

1. Superior mesenteric artery syndrome.	4	10	7
2. Bile acid induced diarrhea.	4	10	7
3. Balloon expulsion test.	4	10	7
4. Solitary rectal ulcer.	4	10	7
5. Tegaserod.	4	10	7
6. Mallory Weiss tears.	4	10	7
7. Push enteroscopy.	4	10	7
8. Zenker's Diverticulum.	4	10	7
9. Spigelian hernias.	4	10	7
10. Hypereosinophilic syndromes.	4	10	7

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[LB 014]

AUGUST 2012

Sub. Code: 1252

**D.M – GASTROENTEROLOGY**

**Paper – II GENERAL GASTROENTEROLOGY INCLUDING PAEDIATRIC  
AND PREVENTIVE GASTROENTEROLOGY**

*Q.P. Code: 161252*

**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. Management of Crohn's disease.                    | 16 | 35 | 15 |
| 2. Investigations and treatment of Wilson's disease. | 16 | 35 | 15 |

**II. Write notes on:**

- |   |   |    |   |
|---|---|----|---|
| 1. Transmission of Hepatitis virus by needle stick injuries.                                | 4 | 10 | 7 |
| 2. Hepatitis E complicating pregnancy.  | 4 | 10 | 7 |
| 3. Management of gastric antral vascular ectasia.   | 4 | 10 | 7 |
| 4. Management of Hepatitis C infection in a patient with chronic renal failure.             | 4 | 10 | 7 |
| 5. Acute diarrhea in children.  | 4 | 10 | 7 |
| 6. Methotrexate and Hepatotoxicity.   | 4 | 10 | 7 |
| 7. Management of short bowel syndrome.  | 4 | 10 | 7 |
| 8. Tuberculous peritonitis – types, investigations and treatment.                           | 4 | 10 | 7 |
| 9. Management of solitary rectal ulcer.   | 4 | 10 | 7 |
| 10. Investigations for celiac disease. Discuss the disease spectrum seen in celiac disease. | 4 | 10 | 7 |

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**D.M. – GASTROENTEROLOGY**  
**Paper – II GENERAL GASTROENTEROLOGY INCLUDING**  
**PAEDIATRIC AND PREVENTIVE GASTROENTEROLOGY**  
*Q.P.Code: 161252*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the phases of defecation and discuss the pathophysiology, diagnosis and management of fecal incontinence.
2. Discuss in brief the various manifestations of AIDS in the gastrointestinal tract.

**II. Write notes on:**

**(10X7=70)**

1. Briefly outline the epidemiology of gastric cancer.
2. Briefly enumerate the tests for diagnosis of Meckel's diverticulum.
3. Describe in brief the clinical features and diagnostic tests for detection of Hirschsprung's disease.
4. Mention the role of Dietary fibre in various gastrointestinal disorders.
5. Outline the management of Refractory sprue.
6. Mention the classifications and briefly outline the management of Mirizzi's syndrome.
7. Describe in brief the merits and advantages of H.pylori vaccine.
8. Mention the various classifications of Corrosive injury esophagus.
9. Describe the role of Gene therapy in cystic fibrosis.
10. Enumerate the various etiologies of cirrhosis in a 3 yr old child.

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[LF 014]

AUGUST 2014

Sub. Code: 1252

**D.M. – GASTROENTEROLOGY**

**Paper II – GENERAL GASTROENTEROLOGY INCLUDING  
PAEDIATRIC AND PREVENTIVE GASTROENTEROLOGY**

*Q. P. Code: 161252*

**Time: Three Hours**

**Maximum: 100 Marks**

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

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Current concepts in the etiopathogenesis, clinical presentation, diagnosis and management of celiac sprue.
2. Outline the approach to a child with recurrent abdominal pain.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Non invasive tests for diagnosis of H. pylori
2. Epidemiology of oesophageal cancer
3. Prebiotics and probiotics
4. Complications of PUD
5. Eosinophilic gastroenteritis
6. Gastro intestinal carcinoids
7. Travellers Diarrhoea
8. Pathogenesis and management of Barrett's esophagus
9. Explain FODMAPS and their role in IBS
10. Severe ulcerative colitis- diagnosis and management.

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