

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

DM (MEDICAL GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2022

SUBJECT: PAPER I

Monday, July 18, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays: (Answer in approximately 1500 words)**

1. Describe the physiology of pancreatic secretion and outline the pancreatic function tests.
(20 marks)
2. Describe the normal anorectal anatomy and the physiology of defaecation.
(20 marks)

3. **Short Essays: (Answer in 400 - 500 words)**

- 3A. Intestinal brush border enzymes
- 3B. Anatomy of the portal venous system
- 3C. Albendazole
- 3D. Hepatic stellate cell
- 3E. Contraindications for liver biopsy
- 3F. Mechanisms of vomiting

(10 marks × 6 = 60 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

DM (MEDICAL GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2022

SUBJECT: PAPER II

Tuesday, July 19, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL questions.

Long Essays: (Answer in approximately 1500 words)

1. Describe the pathogenesis, clinical features, outcomes and management of pregnancy-specific liver diseases.

(20 marks)

2. Describe the use of different corticosteroid agents in the management of inflammatory bowel diseases. Outline the strategies used to reduce their adverse events.

(20 marks)

Short Essays: (Answer in 400 - 500 words)

3A. Treatment of hepatic hydatid cyst

3B. Chylous ascites

3C. Menetrier's disease

3D. Pill oesophagitis

3E. Acalculous cholecystitis

3F. Progressive familial intrahepatic cholestasis

(10 marks × 6 = 60 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

DM (MEDICAL GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2022

SUBJECT: PAPER III

Wednesday, July 20, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 Answer ALL questions.

 Long Essays: (Answer in approximately 1500 words)

1. Outline the systemic complications of acute pancreatitis that arise in the first week of disease and describe their management.

(20 marks)

2. Outline the assessment of severity of alcoholic hepatitis and describe its management.

(20 marks)

3. Short Essays: (Answer in 400 - 500 words)

3A. Cholangiopathy in acquired immunodeficiency syndrome

3B. Sinusoidal obstruction syndrome

3C. Gastric Antral Vascular Ectasia

3D. Chemotherapy for gastric adenocarcinoma

3E. Treatment of familial adenomatous polyposis coli

3F. Refractory celiac disease

(10 marks × 6 = 60 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

DM (MEDICAL GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2022

SUBJECT: PAPER IV

Thursday, July 21, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essays: (Answer in approximately 1500 words)**

1. Outline the structure of the hepatitis C virus. Describe the role of direct acting antiviral agents in the management of the infection.

(20 marks)

2. Discuss the recent concepts in the management of fluids and nutrition in patients with acute pancreatitis.

(20 marks)

3. **Short Essays: (Answer in 400 - 500 words)**

3A. Oncogenes

3B. Natural orifices transluminal endoscopic surgery

3C. Computerised tomographic enterography

3D. Anoxaemic hepatitis

3E. Adverse events of proton pump inhibitors

3F. Principles of systemic vasopressor therapy in critically ill cirrhotic patients

(10 marks × 6 = 60 marks)

