

MANIPAL ACADEMY OF HIGHER EDUCATION

DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2018

SUBJECT: PAPER I: BASIC SCIENCES AS APPLICABLE TO GASTROENTEROLOGY

Monday, July 09, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Describe the anatomy of intestinal circulation and the pathophysiology of intestinal ischaemia.

(20 marks)

2. Describe the replication cycle hepatitis B virus. Outline the issue of resistance to oral drugs in this virus.

(20 marks)

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

3A. Selective serotonin receptor inhibitors

3B. Harmless acute pancreatitis score

3C. Abernathy malformation

3D. Gamma Glutamyl transpeptidase

3E. Anomalous pancreatico biliary union

3F. Vasoactive intestinal polypeptide

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2018
SUBJECT: PAPER II: GASTROENTEROLOGY AND HEPATOLOGY

Tuesday, July 10, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Describe the complications of endoscopic retrograde cholangiopancreatography and their prevention.

(20 marks)

2. Describe the diagnostic evaluation in a patient with steatorrhoea. Outline the management of pancreatic steatorrhoea.

(20 marks)

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

3A. Uses of MELD score

3B. Management of primary sclerosing cholangitis

3C. Solitary rectal ulcer syndrome

3D. Biliary atresia

3E. Cryptosporidiosis

3F. Insulinoma

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2018
SUBJECT: PAPER III: GASTROENTEROLOGY & HEPATOLOGY

Wednesday, July 11, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Describe the current management of chronic hepatitis B infection.
(20 marks)

2. Describe the assessment of disease severity in ulcerative colitis. Describe the management of acute severe colitis.
(20 marks)

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

- 3A. Evaluation of gastroparesis
- 3B. Lactose intolerance
- 3C. Intraductal papillary mucinous neoplasm
- 3D. Solitary rectal ulcer syndrome
- 3E. Treatment of chronic Budd Chiari syndrome
- 3F. Hereditary pancreatitis

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2018
SUBJECT: PAPER IV: RECENT ADVANCES IN GASTROENTEROLOGY

Thursday, July 12, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Discuss the recent concerns relating to the adverse events of proton pump inhibitors.
(20 marks)

2. Discuss the current concepts regarding the abnormalities of coagulation seen in advanced liver diseases. Outline the prevention and management of portal vein thrombosis in a cirrhotic.
(20 marks)

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

3A. Artificial liver support

3B. Enteropathy associated T Cell Lymphoma

3C. Vaptans

3D. Contrast enhanced ultrasound for focal liver lesion

3E. Gluten sensitivity

3F. Narrow band imaging to assess the depth of invasion of neoplasia

(10 marks × 6 = 60 marks)

