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DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2017 SUBJECT: PAPER I: BASIC SCIENCES AS APPLICABLE TO GASTROENTEROLOGY

Monday, July 10, 2017

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays (answer in approximately 1500 words):
- 1. Describe normal gastric acid secretion. Explain the mechanism of action of Proton Pump Inhibitors.

(20 marks)

2. Describe the structure of hepatitis B virus (HBV) and the natural history HBV infection.

(20 marks)

- 3. Short Essays (Answer in 400 500 words):
- 3A. Premalignant conditions of the gall bladder
- 3B. Oesophageal impedance testing
- 3C. Structure of the liver acinus
- 3D. Short chain fatty acids
- 3E. Strongyloides stercoralis
- 3F. L ornithine L aspartate

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

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DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2017

SUBJECT: PAPER II: GASTROENTEROLOGY AND HEPATOLOGY

Tuesday, July 11, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays (answer in approximately 1500 words):
- 1. Outline the current concepts in the pathogenesis and management of non-alcoholic fatty liver disease.

(20 marks)

2. Describe the pathology of gastric premalignant lesions and the techniques for the detection and management of early gastric cancer.

(20 marks)

- 3. Short Essays (Answer in 400 500 words):
- 3A. Staging oesophageal cancer
- 3B. Mucinous cystadenoma of pancreas
- 3C. Reactivations of hepatitis B infection
- 3D. Treatment of anal fissure
- 3E. Chemotherapy of advanced colorectal cancer
- 3F. Tuberculous peritonitis

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$



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DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2017

SUBJECT: PAPER III: GASTROENTEROLOGY & HEPATOLOGY

Wednesday, July 12, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays: (Answer in approximately 1500 words):
- 1. Discuss the diagnostic evaluation and management of acute severe ulcerative colitis.

(20 marks)

2. Outline the pathogenesis, diagnosis and management of Hepato-renal syndrome.

(20 marks)

- 3. Short Essays (Answer in 400 500 words):
- 3A. Faecal elastase
- 3B. Colonic diverticular bleed
- 3C. Refractory coeliac disease
- 3D. Adenoma like dysplasia in ulcerative colitis
- 3E. Gall bladder polyp
- 3F. Imatinib

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$



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DM (GASTROENTEROLOGY) DEGREE EXAMINATION – JULY 2017

SUBJECT: PAPER IV: RECENT ADVANCES IN GASTROENTEROLOGY

Thursday, July 13, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- **Z** Long Essays (answer in approximately 1500 words):
- 1. Classify hepatic encephalopathy. Describe the diagnosis, management and prevention of occult (subclinical) hepatic encephalopathy.

(20 marks)

2. Discuss the role of newer imaging modalities in the staging of common gastrointestinal cancers.

(20 marks)

- 3. Short Essays (Answer in 400 500 words):
- 3A. Acoustic radiation force impulse elastography
- 3B. Image enhanced endoscopy for colonic polyps
- 3C. Portal vein thrombosis in cirrhosis
- 3D. Vedolizumab
- 3E. Carbon dioxide insufflation at endoscopy
- 3F. Endoscopic submucosal dissection

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$