



Queen Margaret University  
EDINBURGH

**SCHOOL OF HEALTH SCIENCES**

**DIVISION OF DIETETICS, NUTRITION AND BIOLOGICAL SCIENCES,  
PHYSIOTHERAPY, PODIATRY, RADIOGRAPHY**

**LEVEL 3 / DIET 1**

**D3165/ Clinical Sciences 1**

**Semester 1 Exam**

<b><u>DATE: 12/12/2017</u></b>	<b><u>TIME 14:00</u></b>
<b><u>WRITING TIME: 2 hour examination</u></b>	<b><u>READING TIME: 5 minutes</u></b>

**INSTRUCTIONS:**

**Answer 3 questions, at least one from each section**

**PAPER SETTERS: Dr Lorna Fyfe and Dr Iain Gow**

## Section A- Gastrointestinal Pathophysiology.

1. Discuss the signs and symptoms likely to be present in acute and chronic pancreatitis and highlight the treatment options for the management of these conditions.

20marks

2. Discuss the aetiology and causative factors in the development of colorectal cancer and provide an account of the treatment and management of this cancer.

20marks

3. Using a specific disease state as an example, discuss the key stages and complications which may arise in the development of cirrhosis.

20marks

## Section B- Gastrointestinal Microbiology and Immunology.

1. Provide a detailed account of bacteria which colonise the gastrointestinal tract and discuss factors which alter this pattern of colonisation.

20marks

2. Describe the role of *Helicobacter pylori* in gastritis and gastric ulcers highlighting pathogenicity factors used by the bacterium to cause disease.

20marks

3. Compare and contrast the microbiology and immunology of Crohn's disease with ulcerative colitis.

20marks

**End of exam**