



Queen Margaret University
EDINBURGH

SCHOOL OF HEALTH SCIENCES

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

LEVEL 2 DIET 1

MODULE CODE: C2132

MODULE TITLE: Pathophysiology

<u>DATE: 02/05/2016</u>	<u>TIME: 9.30AM</u>
<u>WRITING TIME: 2 hours</u>	<u>READING TIME: 5 minutes</u>

INSTRUCTIONS:

Answer **THREE** questions

Answer each question in a separate booklet

PAPER SETTER: Michelle Foster

Answer three questions only

- 1 a Identify the pathological changes that occur in an osteoarthritic joint (10)
- b Discuss the pathophysiology of gout (10)
- 2 a Define:
- I. Arteriolosclerosis (2)
 - II. Hypertension (2)
 - III. Chronic venous insufficiency (2)
- b Describe the pathogenesis of atherosclerosis with the aid of diagrams (14)
- 3 a Define diabetes mellitus (2)
- b Describe the causes of type 1 and type 2 diabetes (9)
- c Discuss the pathogenesis of type 1 diabetes (9)
- 4 a Describe the changes to a nerve fibre affected by Wallerian degeneration. You can answer this with text and/or labelled diagrams (10)
- b Describe the changes to a nerve fibre affected by demyelinating neuropathy. You can answer this with text and/or labelled diagrams (10)
- 5 a Outline the four types of necrosis affecting the lower limb (10)
- b Give an overview of the four stages of acute wound healing (10)

END OF PAPER