



TAMPERE UNIVERSITY OF TECHNOLOGY
Department of Biomedical Engineering

EXAM 22nd of March 2010
BIOM-3106 Implantology

Q1. (6p)

Explain shortly following terms and concepts (1p/question):

- a) Granulation tissue
- b) Angiogenesis
- c) Roleaux
- d) Infection
- e) Callus
- f) Macrophage

Q2.(6p)

What is haemorrhage? Describe the different types of haemorrhages, differences between them and in their treatment.

Q3.(6p)

Explain differences between:

- a) contamination compared with colonization (2p)
- b) regeneration compared with repair (2p)
- c) in wound types: abrasion compared with penetration (2p)

Q4.(6p)

- a) What are myofibroblasts and why they are needed in wound healing? (3p)
- b) What is the difference in wound healing by Primary Intention and Secondary Intention? (3p)

Q5.(6p)

Write about mechanisms of blood coagulation.