



UNIVERSITY
OF
JOHANNESBURG

<u>FACULTY</u>	: HEALTH SCIENCES
<u>DEPARTMENT</u>	: NURSING
<u>CAMPUS</u>	: DFC
<u>MODULE</u>	: VPK1B50 MEDICAL & SURGICAL NURSING SCIENCE 1
<u>SEMESTER</u>	: First
<u>EXAM</u>	: June 2018

DATE : 05 June 2018 **SESSION** : 12:30-15:30

ASSESSOR(S) : Mrs I Kearns

MODERATOR : Prof S Schmollgruber (WITS)
: Prof E Nel (UJ)

DURATION : 3 HOURS **MARKS** : 100

NUMBER OF PAGES: THIS PAPER CONSISTS OF FOUR (4) PAGES

INSTRUCTIONS:

1. Answer ALL THE QUESTIONS.
 2. Number your answers clearly
 3. Hand in Question paper
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QUESTION 1

1.1 Draw a comparison of Hyperglycaemia and Hypoglycaemia under the following:

1.1.1 Onset (2)

1.1.2 Clinical picture (10)

1.2 **Diabetes** Mellitus poses a high risk for foot ulcerations and lower-extremity amputations

1.2.1 Based on the above statement discuss the instructions you will include when teaching patients about Diabetic foot care (15)
*[27]

QUESTION 2

Mr Samuels is a 43 year old man admitted to your unit with pancreatitis. The patient presents with:

- Severe gnawing pain
- Hypotension
- Tachycardia
- Tachypnoea
- Tetany
- Hypoglycaemia

2.1 Describe the pathophysiology of pancreatitis in relation to the clinical manifestations of the condition (12)

2.2 Discuss your nursing interventions with rationale in the management of Mr Samuels. (16)
*[28]

QUESTION 3

A third year nursing student is working alongside you. You keep on reminding him to wash his hands, the student's reply is that he doesn't see many other members of staff washing their hands constantly.

Debate the value of handwashing in the high care unit and the ward in relation to the Patient's right Charter and your Scope of practice

3.1 Outline the value of good hand hygiene and handwashing in the wards

***[18]**

QUESTION 4

Sarah, a 65 year old woman, is admitted to the Orthopaedic ward. An x-ray of her pelvis reveals a broken left femur neck and an X-ray of her lower extremities reveals bilateral tibia and fibula fractures. Sarah has a history of osteoporosis.

Post-operatively, Sarah is transferred to the ward after an open reduction and internal fixation has been carried out on the fractures on her lower extremities and a total hip replacement left. She presents with the following vital data:

Vital signs:

Blood pressure: 160/80 mmHg
Pulse rate: 102 beats per minute
Respiration tempo: 24 breaths per minute

Temperature: 37.5 °C

Her right leg is in a cast and the left leg in traction.

4.1 Explain the term: Open reduction and internal fixation

(2)

- 4.2 Name four (4) **specific** complications as a result of a fracture. (4)
- 4.3 Describe the specific immediate post-operative nursing care of Sarah, with special reference to the hip replacement surgery (including the leg in traction and the one in cast) that she had undergone. (18)
- 4.4 Explain to Sarah's 24-year old daughter how she can prevent developing osteoporosis herself. (6)
- *[27]**

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