

Semester II Examinations, 2004/2005

Exam Code(s)	<u>1EY1</u>
Exam(s)	<u>Higher Diploma in Nursing Studies</u>
Module Code(s)	<u>NU842</u>
Module(s)	<u>Accident &amp; Emergency Nursing 2</u>
Paper No.	
Repeat Paper	<u>Special Paper</u>
External Examiner(s)	<u>Ms Fiona Cunnane</u>
Internal Examiner(s)	<u>Dr Kathy Murphy</u>
	<u>Professor Michael Kane / Dr Karen Doyle</u>
	<u>Ms Yvonne Conway / Ms Helena Hanrahan</u>

**Instructions:**

Please answer a total of three (3) questions. Use a separate answer book for each question.

**Some questions are divided into part (a) and part (b).**

**Please answer part (a) of each question in one booklet and part (b) in a separate booklet.**

All questions carry an equal mark. Support your answers with reference to the literature and your clinical practice as appropriate.

Duration	<u>3 hrs</u>
No. of Answer Books	<u>                    </u>

**Requirements:**

Handout	<u>                    </u>
MCQ	<u>                    </u>
Statistical Tables	<u>                    </u>
Graph Paper	<u>                    </u>
Log Graph Paper	<u>                    </u>
Other Material	<u>                    </u>

No. of Pages	<u>3</u>
Department(s)	<u>Centre for Nursing Studies</u>

- Q1** Mary is a 70 year old lady who is taken to A&E by ambulance following an RTA. She was the driver and her car was in collision with a truck. On arrival in A&E she has a cervical collar in place and is immobilized on a long spinal board. She is complaining of severe central and upper chest pain. Following a portable chest x-ray, a fractured sternum, and a flail rib segment have been diagnosed.

Critically discuss the nursing priorities and management of this lady whilst in the A&E department. (100%)

- Q2 (a)** With regard to skin lacerations; what are the 5 signs of inflammation and what are the 4 phases of wound healing? List 5 factors that could delay wound healing.(30%)

- (b)** John is a 40 year old male who was knocked down by a car whilst crossing the road. He has sustained a compound fracture to the right tibia and fibula. On initial examination there is profuse bleeding at the site, and obvious road grit within the wound.

Discuss the nursing management of this patient during his time in the A&E Department. (70%)

- Q3 (a)** Draw a labeled diagram of a transverse section of the spinal cord, showing sensory and motor neurones. From the diagram, describe how a stretch reflex can occur. (30%)

- (b)** Joe is a 38 year old male who is taken to A&E by ambulance after falling from scaffolding at a building site (approx. 12 feet). The patient is fully immobilized and on initial examination in the resuscitation room, it is obvious that the patient has no movement or sensation from T2 down. His wife who has accompanied him is very distressed. Discuss the management of this patient and his wife during their stay in the A&E department. (70%)

- Q 4 (a)** Briefly outline the main functions of the brainstem and diencephalon brain structures. (30%)

- (b)** An ambulance is en route with a 24 year old male who was riding a motorbike without a helmet. He was thrown from the bike and witnesses said he lost consciousness for a short time at the scene. Ambulance personnel have informed the hospital staff that the patient is hypertensive, complaining of neck pain, headache and vomiting, and has slurred speech. He has head and facial contusions.

Critically examine the nursing care and management required for the patient's condition and potential complications. (70%)

**Q5 (a)** Discuss the role of the kidney in salt and water balance.

**(30%)**

- (b)** A 40 year old male has been brought into the resuscitation room. He has been stabbed in the left flank during an altercation in a bar and is aggressive. He is complaining of pain in his abdomen and left flank, and there is considerable bleeding and ecchymosis around the area of penetration.

Critically examine the nursing care and management required for the patient's condition whilst in the emergency room.

**(70%)**

**oOo**