

OLLSCOILL NA hEIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY

SUMMER EXAMINATION 2001 (Repeat)
FIRST YEAR DIPLOMA IN NURSING EXAMINATION

BIOLOGICAL SCIENCES

BACTERIOLOGY/PATHOLOGY/RADIOLOGY (NU187)
(TOTAL MARKS 120)

Prof. Martin Cormican
Dr. J. P. Kelly
Prof. C. E. Connolly

Time Allowed: 1½ hours

Please use a separate answer book for each section.

**SECTION A: BACTERIOLOGY
(80 MARKS)**

Please answer two questions from this section.

1. Write short notes on **four** of the following:
 - (a) Immunisation
 - (b) Bacterial causes of sore throat
 - (c) Urinary Tract Infection
 - (d) Disinfection
 - (e) Miliary tuberculosis
2. Discuss the precautions taken in nursing practice to prevent spread of infection in hospital.
3. Write short notes on **four** of the following.
 - (a) The general approaches available for diagnosis of infection in the laboratory
 - (b) Measures that can be taken to prevent nursing staff acquiring infection due to needle stick injury.
 - (c) Viral and bacterial meningitis
 - (d) Gastroenteritis
 - (e) Human papilloma virus

**SECTION B: PATHOLOGY
(20 Marks)**

Write notes on three of the following:

1. What is an embolus? What types of emboli do you know?

/CONTD. OVERLEAF

2. Discuss the pathology of acute inflammation. What are the causes of acute inflammation?
3. What is a metastases? Where do they occur? List any effects you know?
4. What is hypertrophy and how does it cause pathology? Give examples.

SECTION C: RADIOLOGY
(20 Marks)

Please answer one question from this section.

1. Describe how you would nurse a patient who has had a lumbar myelogram.
2. What is the evidence that screening mammography reduces mortality in breast cancer.

END