| **PROGRAMME** | : B.Cur |
| **SUBJECT** | : BASIC PHARMACOLOGY IN NURSING 
MODULE 2: PHARMACOLOGY IN NURSING: SPECIFIC DRUGS 
PART 2 |
| **CODE** | : FAV0002 |
| **DATE** | : SUPPLEMENTARY EXAMINATION DECEMBER 2014 |
| **DURATION** | : 2 HOURS |
| **WEIGHT** | : 50:50 |
| **TOTAL MARKS** | : 80 MARKS |
| **EXAMINER** | : MRS P ZIBI |
| **MODERATOR** | : MR SB MATLALA (UJ) |
| **EXTERNAL MODERATOR**: | MRS P MARKS |
| **NUMBER OF PAGES** | : THIS PAPER CONSISTS OF THREE (3) PAGES [note that the page numbers in this paper are incorrect] |
| **INSTRUCTIONS** | : PLEASE ANSWER ALL THE QUESTIONS. 
PLEASE HAND IN BOTH THE EXAMINATION PAPER AND THE 
ANSWER SHEET. 
1 MARK PER FACT |
QUESTION 1

1.1 Motivate why you would use the second-generation NSAID as compared to the first-generation NSAID. (10)

1.2 Explain how the body protects itself from the development of peptic ulcers. (5)

*15*

QUESTION 2

The following drugs are beneficial in the treatment of Parkinson’s disease.

Levodopa
Carbicopa
Bromocriptine

2.1.1 Identify the drug class for each of the abovementioned drugs [3]
2.1.2 Describe the pharmacological action of each drug [3]
2.1.3 Explain why Levodopa cannot be used on its own in the treatment of Parkinson’s Disease [4]

*10*

QUESTION 3

3.1 The following drugs are prescribed for a patient with HIV/AIDS who has a CD₄ count of less than 350 cells/micro L.

3.1.1 Relate the pharmacological action of each drug to the pathophysiology of HIV/AIDS

a) Stavudine

b) Nevirapine

c) Ritonavir

d) Maraviroc (10)

3.1.2 Explain five side effects of ARVs (5)
3.2 This patient further develops pulmonary TB. According to the protocol of the South African Government and Department of Health, which treatment would you prescribe? Give reasons for your decisions. (10)

3.3 Explain the health education you would give to a patient who has been put on ARVs for the first time. (10)

QUESTION 4

4.1 Explain the benefits of the following drugs in the treatment of migraine:
   - Beta blockers [4]
   - Sumatriptan [2]
   - Ergotamine [2]
   - Naproxen [2]

*35*

QUESTION 5

5.1 Respond by indicating if the following statements are TRUE or FALSE. Give rationale [10]

5.1.1 Piperacillin is safe to use for a patient who is allergic to Penicillin
5.1.2 Oxytocin causes the uterine smooth muscle to contract
5.1.3 Metformin is used for the treatment of obese diabetic patients
5.1.4 Glibenclamide is a sulfonylurea used in the treatment of hypoglycaemia
5.1.5 Insulin is secreted by the alpha cells of the pancreas
5.1.6 Grave’s disease leads to hypothyroidism
5.1.7 Paracetamol poisoning can be treated with acetylcysteine
5.1.8 Patients on Metronidazole are encouraged to take alcohol with the drug
5.1.9 Pyridoxine is a vitamin that is taken with TB treatment and is not an anti-TB drug
5.1.10 The anterior pituitary gland secretes oxytocin

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