



University of Fort Hare
Together in Excellence

Programme Unit: Nursing Sciences
East London Campus

SEMESTER EXAMINATION: NOVEMBER 2019

PHARMACOLOGY 2

TIME: 3 HOURS

CODE: NPP 222E

MARKS: 100

Student Surname (Capital) -----

Student Name (Capital) -----

Student Number -----

THIS QUESTION PAPER CONSISTS OF 14 PAGES INCLUDING THIS PAGE

INTERNAL EXAMINERS
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Instructions to students:

Answer Multiple choice questions on the Question paper & rest of the questions on the Answer book which is attached to the Question paper.

Submit Question paper along with Answer book which is attached to the Question paper.

NPP 222E SEMESTER EXAMINATION 2019

Section A	Section B	Section C	Section D	Total marks
	+	+	+	=

Section A (25)

Choose the most correct option & circle:

1. Which of the following drug increases peripheral utilization of glucose?
 - a. Tolbutamide
 - b. Chlorpropamide
 - c. Metformin
 - d. Glybenclamide
2. Which of the following is not true for progesterone only pill?
 - a. It cannot be given to women in whom oestrogen is contraindicated
 - b. It has been introduced to avoid side effects of oestrogen
 - c. It causes suppression of ovulation & thickens cervical mucus
 - d. It has protective effect on endometrial carcinoma
3. Which of the following drug stimulates release of insulin from pancreatic B cells?
 - a. Tolbutamide
 - b. Rosiglitazone
 - c. Metformin
 - d. Glybenclamide

9. Which of the following conditions demand use of glucocorticoids as a substitution therapy?
- a. Cushing's syndrome
 - b. Addison's disease
 - c. Diabetes insipidus
 - d. Tetany
10. Which of the following drug is commonly used as a disease modifying drug in the treatment of rheumatoid arthritis?
- a. Ibuprofen
 - b. Methotrexate
 - c. Celecoxib
 - d. Cyclophosphamide
11. Which of the following drugs is used as anti-cytokine agent in the treatment of rheumatoid arthritis?
- a. Infliximab
 - b. Methotrexate
 - c. Diclofenac
 - d. Ibuprofen
12. Which of the following drug is used for the prophylaxis of recurrent episodes of gouty arthritis?
- a. Colchicine
 - b. Aspirin
 - c. Methotrexate
 - d. Glucocorticoids
13. Which of the following drug is used to reduce synthesis of uric acid in order to use in the long-term management of gout?
- a. NSAIDs
 - b. Allopurinol
 - c. Glucocorticoids
 - d. Probenecid

19. Which of the following vitamin deficiencies causes xerosis of conjunctiva?

- a. Vit. E deficiency
- b. Vit. A deficiency
- c. Vit. C deficiency
- d. Vit. B deficiency

20. Which of the following drugs is used as a bronchodilator in the treatment of asthma?

- a. Salbutamol
- b. Propranolol
- c. Hexoprenaline sulphate
- d. Rivastigmine

21. Which of the following drugs is H1 receptor antagonist antihistaminics?

- a. Chlorpheniramine
- b. Codeine
- c. Cimetidine
- d. Chloral hydrate

22. In mild dehydration due to gastroenteritis, which of the following agent is administered?

- a. Intravenous dextrose
- b. Intravenous normal saline
- c. Oral rehydration therapy
- d. Intraosseous 10% dextrose

2. A 50 year old Mrs. X has been suffering from hypertension and obesity for the past 2 years and has been taking treatment. Last week when she went for check up her fasting blood sugar level was 6.5 mmol/l. She was advised to do GTT. She was diagnosed to have diabetes mellitus as her 2 hour blood glucose level was 11 mmol/L. (5)
 - 2.1 What are the complications of untreated DM?
 - 2.2 Explain common insulin regimen

3. A 45 year old Mr John visited the clinic as he is suffering from painful right great toe which woke him up. Last night he drank alcohol. He is also hypertensive and obese. On examination – right first metatarso phalangeal joint is swollen and tender (5)
 - 3.1 What is the most likely diagnosis
 - 3.2 Are there predisposing factors for the development of this condition in this patient? If yes? Mention them
 - 3.3 How will you treat this condition?

4. A 20 year old medical student visited clinic as she felt palpitations. On examination pulse 120/min and was losing weight inspite of eating well. What is the most likely cause of her symptoms? (5)
 - 4.1 Explain the role of anti-thyroid drugs and radioiodine in the treatment of this condition?

5. A 3 year old Unathi was brought to the clinic in the morning by his granny as he had about 8 – 10 loose motions from previous day midnight. Unathi is not vomiting. (5)
 - 5.1 What is the most common complication of this condition?
 - 5.2 Explain – how you will assess signs of this complication?
 - 5.3 How will you explain to granny how to prepare ORS at home for Unathi?

4. Which of the following drugs is used commonly as Cox-2 inhibitor NSAID?

- a. Ibuprofen
- b. Aspirin
- c. Mefenamic acid
- d. Celecoxib

5. Which of the following drugs is used to treat alcohol withdrawal symptoms?

- a. Benzodiazepines
- b. Antidepressants
- c. Antipsychotic
- d. Opioid analgesics

6. Which of the following drugs is used as an antidote of benzodiazepines?

- a. Flumazenil
- b. Chlordiazepoxide
- c. Methadone
- d. Piroxicam

10. Which of the following agent is used for ambulatory surgery in day care surgery centre as there is reduction in post-operative nausea and vomiting

- a. Pethidine
- b. Propofol
- c. Codeine
- d. Fentanyl

11. Which of the following drugs is used as a bronchodilator in the treatment of asthma?

- a. Salbutamol
- b. Propranolol
- c. Timolol
- d. Rivastigmine

12. Which of the following drugs is added when bronchodilator alone is not enough to control the symptoms of asthma?

- a. Corticosteroid
- b. Neostigmine
- c. Tacrine
- d. B blockers

13. The treatment of Bipolar 2 disorder includes:

- a. Antidepressants & Lithium
- b. Antipsychotics
- c. Tacrine
- d. Donepezil

4 A 50 year old Bev is a chronic alcoholic. (4)

4.1 What complications can develop in Bev due to chronic alcohol consumption

5. A 25 year old Jo-Anne was brought to the clinic by her mother because family members & friends noticed that she is talking about things that are not happening around her. She is also overtalkative & most of the times talking about things which are her false beliefs and getting aggressive at times (4)

5.1 What is the most likely cause of Jo-Anne' condition?

5.2 Which drug is used to treat Jo-Anne' condition?

5.3 Which Psychological treatments are used along with drugs to treat Jo-Anne?

6. A 40 year old Mrs Bowls was suffering from fibroids of the uterus. Her hysterectomy was done. About 30 minutes before going to the operation theatre she was given a pill (3)

6.1 Which pill was given

6.2 What is the purpose of this pill?

7. Write notes on the following:

7.1 Indications of Total parenteral nutrition (3)

7.2 Adverse effects of anticancer drugs (3)













