

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 2023

Marks Scored:

Level : B.Pharm.

Year : III

Exam Roll No. :

Time: 30 mins.

Registration No.:

Course : PHAR 323

Semester : II

F. M. : 20

Date **13 JUL 2023**

SECTION "A"
[20Q. × 1 = 20 marks]

Encircle the correct option of the following multiple choice questions.

1. New formula of ORS contains _____ gm/lit of sodium citrate.
a. 20 b. 2.9 c. 1.5 d. 2.6
2. _____ is **not** the adverse effect of sodium bicarbonate.
a. Alkalosis b. Sodium retention
c. Blackening of stool d. Edema
3. Which one of the following drugs is **NOT** used in cramps?
a. Hyoscine b. Drotaverine c. Atropine d. Dimenhydrinate
4. _____ drug increases the threshold of cough.
a. Vasaka b. Codeine c. Terbutaline d. Glycerin
5. These are the adverse effects of theophylline **EXCEPT** _____.
a. Dyspepsia b. Insomnia c. Nasal congestion d. Precordial pain
6. In case of moderate sedation, the spontaneous ventilation is _____.
a. Unaffected b. Adequate
c. May be inadequate d. Frequently inadequate
7. The anxiolytic dose of alprazolam is _____.
a. 250-500 mg TDS b. 25 mg TDS
c. 10mg TDS d. 2mg TDS
8. _____ is the best anesthetics for short procedures where loss of consciousness is not required.
a. Diazepam b. Thiopental c. Ketamine d. Isoflurane
9. _____ is the full agonist of opioid receptors.
a. Naloxone b. Butorphanol c. Pentazocine d. Methadone
10. All of the following about loperamide are **TRUE EXCEPT** _____.
a. Reduced GI motility b. Increased tone of anal sphincter
c. Used to treat constipation d. Used to treat diarrhea
11. _____ is the generalized seizure in which contraction of muscle is confined to one part of the body.
a. Atonic b. Myoclonic c. Febrile d. Petite mal

12. _____ is the first choice of drug in absent seizure.
a. Lorazepam b. Valproate c. Clobazem d. Primidone
13. Which one of the following is **NOT** the therapeutic use of imipramine?
a. Depression b. Bulimia c. Sedation d. Migraine
14. Which one of the following statements about acamprosate is false?
a. Reduced relapse of drinking b. Dose = 555 mg BD/TDS
c. Analogue of GABA d. Used to maintain therapy of abstinence
15. Which one of the following drug is popular among night shift workers?
a. Modafinil b. Strychnine c. Nikethamide d. Caffeine
16. Which one of the following can be used in severe case of schizophrenia?
a. Haloperidol b. Chlorpromazine c. Clozapine d. Loxapine
17. Which of the following statements about methanol is **NOT TRUE**?
a. It is mild CNS depressant.
b. Toxicity occurs due to formation of formic acid.
c. Patient should be kept in bright light to lower its toxicity.
d. Ethanol is given to treat its toxicity.
18. Thiamine can be obtained from _____.
a. Outer layer of cereals b. Mushroom
c. Orange d. Carrot
19. Which one of the following is **NOT** a bacterial vaccines?
a. Typhoid vaccine b. Cholera vaccine
c. Plague vaccine d. Measles vaccine
20. Which one of the following is **NOT** an anti-proliferative drug?
a. Prednisolone b. Azathioprine c. Methotrexate d. Chlorambucil

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F. M. : 55

SECTION "B"

[5Q. × 3 = 15 marks]

Attempt *ANY FIVE* questions.

1. Classify the drugs used in constipation.
2. Give an account on mucokinetics.
3. Write notes on any one of the "Z" drugs.
4. What are the properties of ideal general anesthetics?
5. Write notes on anxiety disorder. Give anxiolytic dose of lorazepam.
6. Write notes on pyridoxine.
7. Write notes on oral poliovirus vaccine.

SECTION "C"

[5Q. × 5 = 25 marks]

Attempt *ANY FIVE* questions.

8. Explain one drug of each group of antisecretory agents used in peptic ulcer disease.
9. List out the different factors that stimulate vomiting. Classify the drugs used in vomiting. Explain hyocine as antiemetics.
10. Classify anti asthmatics. Give an account in leukotriene antagonists.
11. Write down the therapeutic use and adverse effects of diazepam. How can the diazepam toxicity be treated?
12. Elaborate the drug morphine along with its mechanism of action, pharmacological actions, tolerance and dependence and adverse effects.
13. Describe the pathophysiology behind depression. Elaborate on MAO inhibitors.
14. Explain about alcohol including its mechanism of action, uses and toxicity. Explain how the chronic alcoholism can be treated.

SECTION "D"

[2Q. × 7.5 = 15 marks]

Attempt *ANY TWO* questions.

15. Classify antiepileptic drugs according to its mechanism of action. Elaborate one drug of each group in detail.
16. Discuss the pathophysiology and signs of Parkinson's disease. Classify anti parkinsonian drugs. Elaborate on Levodopa and carbidopa.
17. What are the symptoms of schizophrenia? Classify the drugs used in psychoses. Elaborate typical drugs in detail with its mechanism of action, pharmacological actions, therapeutic uses and adverse effects.