

Course No: PHRM 4345
Course Title: Pharmacology II
Date: 10/01/2018
No. of Questions: (5)
Time: 2hours
Using Calculator (No)

University of Palestine

Final Exam For First Sem.
2017/2018
Total Grade:

Instructor Name: Mohammed Jami
Student No.: _____
Student Name: _____
College Name: Pharm. Sciences
Dep. / Specialist: Pharmacy
Using Dictionary (No)

Question One: Please select the most appropriate answer from the options below. (15 M)

1. Non-narcotic analgesics are mainly effective against pain associated with:

- a) Inflammation or tissue damage
- b) Trauma
- c) Myocardial infarction
- d) Surgery

2. Which one of the following NSAIDs inhibits mainly COX in CNS?

- a) Paracetamol
- b) Diclofenac
- c) Acetylsalicylic acid
- d) Ibuprofen

3. Choose the drug forming a physical barrier to HCL and Pepsin:

- a) Ranitidine
- b) Sucralfate
- c) Omeprazole
- d) Pirenzepine

4. Which drug is an analog of prostaglandin E₁?

- a) Misoprostole
- b) Ranitidine
- c) Sucralfate
- d) Omeprazole

5. Choose the antacid that causes constipation:

- a) Sodium bicarbonate
- b) Aluminium hydroxide
- c) Calcium carbonate
- d) Magnesium oxide

6. The mechanism of stimulant purgatives is:

- a) Increasing the volume of non-absorbable solid residue
- b) Increasing motility and secretion
- c) Altering the consistency of the feces
- d) Increasing the water content

7. Choose the drug belonging to membrane stabilizing agents:

- a) Zileutin
- b) Cromolyn
- c) Zafirlucast
- d) Montelukast

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8. Which H₁ antagonist is noted for the alpha-adrenoreceptor-blocking effect?
- Diphenhydramine
 - Doxylamine
 - Cyclizine
 - Promethazine
9. Which of histamine H₁ antagonists is noted for the serotonin-blocking effect?
- Diphenhydramine
 - Cyproheptadine
 - Promethazine
 - Meclizine
10. Which is the last function to be blocked by local anesthesia?
- Pain
 - Temperature
 - Motor function
 - Pressure
11. Which of the following local anesthetics is a useful antiarrhythmic agent?
- Cocaine
 - Lidocaine
 - Bupivacaine
 - Ropivacaine
12. Hypnotic drugs are used to treat:
- Psychosis
 - Sleep disorders
 - Narcolepsy
 - Parkinsonian disorders
13. Which of the following opioid receptor types is responsible for euphoria and respiratory depression?
- Kappa-receptors
 - Delta-receptors
 - Mu-receptors
 - All of the above
14. Extrapiramidal reactions can be treated by:
- Levodopa
 - Benzotropine
 - Bromocriptine
 - Dopamine

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15. Adverse effects of caffeine include all of the following EXCEPT:

- a) Arrhythmias
- b) Insomnia
- c) Hypotension
- d) Psychomotor excitation

16. Indicate the antidepressant, which blocks the reuptake pumps for serotonin and norepinephrine:

- a) Amitriptyline
- b) Fluoxetine
- c) Maprotiline
- d) Phenelzine

17. Which of the following anxiolytics has minimal abuse liability?

- a) Oxazepam
- b) Buspirone
- c) Flumazenil
- d) Alprazolam

18. Indicate the anesthetic, which is used intravenously:

- a) Propofol
- b) Halothane
- c) Desflurane
- d) Nitrous oxide

19. Indicate the intravenous anesthetic, which is an ultra-short-acting barbiturate:

- a) Fentanyl
- b) Thiopental
- c) Midazolam
- d) Ketamine

20. Neuroleptics are used to treat:

- a) Neurosis
- b) Psychosis
- c) Narcolepsy
- d) Parkinsonian disorders

Answer Key

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| | | | | | | | | | |
| 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. |
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Question Two:

(9 M)

A. What are three advantages that aspirin has over paracetamol?

1.

2.

3.

B. Why is aspirin contraindicated in a person who is taking warfarin after a heart valve replacement?

C. For each of the medicines listed below, outline its role in the treatment of gout:

1. Allopurinol

2. Colchicine

3. Probenecid

D. Which of the above medicines has/have no role in the treatment of hyperuricaemia? Why?

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Question Three:

(5 M)

- A. Why is a first-generation antihistamine more effective than a second-generation agent in the management of motion sickness?
- B. Give an account on therapeutic uses of Histamine (H₁) antagonists.

Question Four:

(6 M)

- A. For the following medicines, indicate the laxative group to which each belongs:
1. Bisacodyl
 2. Liquid paraffin
 3. Magnesium salts
- B. What happens if you don't get the balance right between the amounts of magnesium compound and aluminum hydroxide in antacid preparations?
- C. Explain why the following conditions cannot be treated with 2nd generation H₁ antihistamines:
1. Peptic ulcer
 2. Motion sickness

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Question Five:

(10 M)

A. For each of the following medicines, indicate whether it is a bronchodilator (and to what group it belongs), a corticosteroid (inhaled or systemic), an asthma prophylactic or a leukotriene receptor antagonist:

1. Beclomethasone
2. Cromolyn sodium
3. Ipratropium
4. Prednisolone
5. Albuterol

B. Write ONE use for each of the following drugs.

1. Oxymetazoline
2. Guaifenesin
3. Loratadine
4. Methylphenidate
5. Ethosuximide

End of Questions
Good Luck