

Course No: BIPH 4238
Course Title: Pharmacology II
Date: 12/03/2018
No. of Questions: (6)
Time: 1 hours
Using Calculator (No)

University of Palestine



1st Exam For 2nd Sem.
2017/2018
Total Grade: 30

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. Which of the following agents is the precursor of dopamine?
 - a) Bromocriptine
 - b) Levodopa
 - c) Selegiline
 - d) Amantadine

2. Which of the following vitamins reduces the effects of levodopa?
 - a) Pyridoxine
 - b) Thiamine
 - c) Tocopherol
 - d) Riboflavin

3. Hypnotic drugs are used to treat:
 - a) Psychosis
 - b) Sleep disorders
 - c) Epilepsy
 - d) Parkinsonian disorders

4. Which of the following barbiturates is an ultra-short-acting drug?
 - a) Secobarbital
 - b) Amobarbital
 - c) Thiopental
 - d) Phenobarbital

5. Choose the competitive antagonist of benzodiazepine receptors:
 - a) Flumazenil
 - b) Picrotoxin
 - c) Zolpidem
 - d) Temazepam

6. Choose the cause of death due to overdose of hypnotics:
 - a) Depression of the respiratory center
 - b) Hypothermia
 - c) Cerebral edema
 - d) Status epilepticus

7. Which of the following drugs is related to tricyclic antidepressants?
 - a) Nefazodon
 - b) Amitriptyline
 - c) Fluoxetine
 - d) Isocarboxazid

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8. Choose the antidepressant, which inhibits MAO enzyme:

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

9. Antianxiety agents have:

- a) Sedative and hypnotic activity
- b) Muscle relaxing and anticonvulsant effects
- c) Amnesic properties
- d) All of the above

10. Which one of the following pairs of drug: use is correct?

- (a) Amphetamine : Alzheimer's dementia
- (b) Bupropion : Acute anxiety
- (c) Fluoxetine : Insomnia
- (d) Ropinirole : Parkinson's disease

11. Uses of this drug include enuresis and chronic pain:

- (a) Bupropion
- (b) Fluvoxamine
- (c) Imipramine
- (d) Phenelzine

12. A patient with major depression should receive antidepressant therapy for at least:

- (a) 2 weeks
- (b) 6 weeks
- (c) 2 months
- (d) 6 months

13. Fluoxetine is a _____ reuptake inhibitor:

- (a) Serotonin
- (b) Norepinephrine
- (c) Dopamine
- (d) GABA

14. Hypnotic benzodiazepines increase the period of time spent in the following stage of sleep:

- (a) Stage II
- (b) Stage III
- (c) Stage IV
- (d) REM stage

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15. Anxiolytics are used to treat:

- a) Phobia
- b) Psychosis
- c) Epilepsy
- d) Bipolar disorders

Answer Key

| | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|-----|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
| | | | | | | | | | |
| 11. | 12. | 13. | 14. | 15. | | | | | |
| | | | | | | | | | |

Question Two:

(3 M)

State which neurotransmitter(s) is/are involved in the following conditions:

- 1. Alzheimer
- 2. Depression
- 3. Anxiety

Question Three:

(3 M)

For each of the following medicines, indicate whether their use is primarily as an anxiolytic or hypnotic:

- 1. Zolpidem
- 2. Ramelteon
- 3. Buspirone

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Question Four: (3 M)

What are the main strategies associated with the drug treatment of Alzheimer's disease, identify one drug that represents each of the strategies.

Question Five: (3 M)

Compare between SSRIS and SNRIs under the following features (MOA and Use).

Question Six: (3 M)

A. Why should hypnotics be used for a limited period of time to assist with sleep?

B. Explain why you cannot administer dopamine therapy to people with Parkinson's disease.

End of Questions

Good Luck