

Course No: NUTR 3317
Course Title: Nutritional Pharmacology
Date: 14/04/2018
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine



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

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

Question One: Please select the most appropriate answer from the options below. (10 M)

1. **Compounds in grapefruit juice:**
 - (a) Bind to antibiotics, reducing absorption
 - (b) Cause excessive drug excretion
 - (c) Increase the effects of certain drugs
 - (d) Alter acidity in the stomach, impairing drug absorption

2. **Vitamin K consumption should be limited in patients using:**
 - (a) Tetracycline
 - (b) Corticosteroids
 - (c) Warfarin
 - (d) Lithium

3. **People who use MAO inhibitors must limit consumption of:**
 - (a) Whole milk and yogurt
 - (b) Aged cheeses
 - (c) Dark green leafy vegetables
 - (d) Grapefruit juice

4. **Pernicious anemia is developed due to deficiency of:**
 - (a) Erythropoetin
 - (b) Vitamin B12
 - (c) Iron
 - (d) Vitamin B6

5. **An adverse effect of oral iron therapy is:**
 - (a) Anemia
 - (b) Thrombocytopenia
 - (c) Headache
 - (d) Constipation

6. **Indicate the drug which increases absorption of iron from intestine:**
 - (a) Cyanocobalamin
 - (b) Folic acid
 - (c) Ascorbic acid
 - (d) Erythropoetin

7. **The therapeutic index of a drug is a measure of its:**
 - (a) Safety
 - (b) Potency
 - (c) Efficacy
 - (d) Dose variability

Course No: NUTR 3317
Course Title: Nutritional Pharmacology
Date: 14/04/2018
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine



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

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

8. Which of the following is a phase II drug metabolizing reaction?

- (a) Acetylation
- (b) Deamination
- (c) Hydrolysis
- (d) Oxidation

9. After 4 half-life the elimination will be approximately:

- (a) 40%
- (b) 94%
- (c) 25%
- (d) 4%

10. A drug is said to be potent when:

- (a) It produces maximal response
- (b) The amount needed to produce a certain response is less
- (c) It produces no side effects
- (d) It has a rapid onset of action

Answer Key

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.

Question Two:

(3 M)

A. Match up the descriptions below with the single most appropriate hematopoietic agent:

- 1. Used primarily in severe iron deficiency and iron malabsorption syndromes_____
- 2. Essential for the therapy of neurological defects in pernicious anemia_____
- 3. Used in the emergency treatment of acute iron intoxication_____

- | | |
|--------------------|-----------------|
| A. Folic acid | D. Iron dextran |
| B. Cyanocobalamin | E. Deferoxamine |
| C. Ferrous sulfate | |

Course No: NUTR 3317
Course Title: Nutritional Pharmacology
Date: 14/04/2018
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine



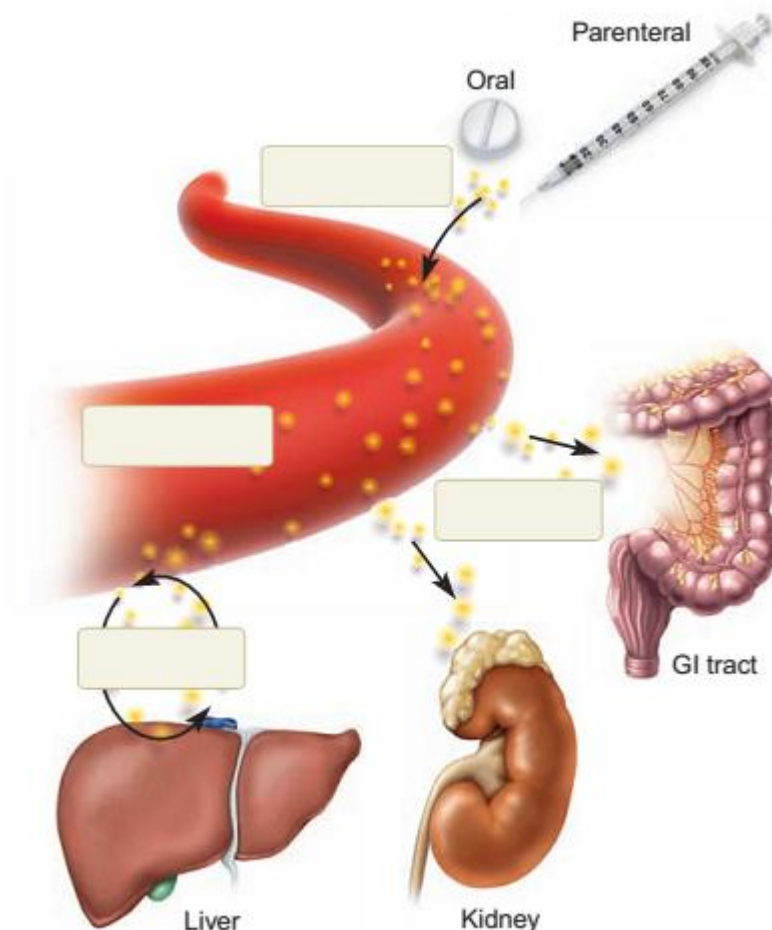
2nd Exam For 2nd Sem.
2017/2018
Total Grade: 30

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

Question Three:

(2 M)

Fill in the missing labels with the appropriate pharmacokinetic process.



Question Four:

(5 M)

1. Differentiate between the terms pharmacodynamics and pharmacokinetics.

Course No: NUTR 3317
Course Title: Nutritional Pharmacology
Date: 14/04/2018
No. of Questions: (6)
Time: 1hour
Using Calculator (No)

University of Palestine



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

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

2. Define the following terms:

A. Affinity

B. Efficacy

C. Potency

Question Five:

(4 M)

1. A 22 years old female, is five weeks' pregnant with her first child. She is concerned about becoming anemic during pregnancy but does not want to take iron supplements unless she has to. What advice can you give her about non-pharmacological means of managing this situation?

2. State which form of folic acid supplementation, folic acid or folinic acid, is used in people treated with methotrexate, and indicate why.

