


Course No: PHRM 3220
Course Title: Pharmaceutical &
Medicinal Chemistry (1)
Date: 16/04/2017
No. of Questions: (3)
Time: 1hours
Using Calculator (No)

University of Palestine

Second Midterm Exam
2016/2017
Total Grade: 30

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

Question One: Answer the following questions by True (T) or False (F) and mention why?

1. The fused second ring in β -lactam antibiotics is not always essential for antibacterial activity. ()
2. Third and fourth generation cephalosporins contain an aminothiazole ring that results in enhanced activity against Gram negative bacteria. ()
3. Ceftizoxime undergone metabolism and excreted inactive in the urine. ()
4. Cefamandole appears to confer stability to some β -lactamases than Cephalothin. ()
5. Cephalothin is more metabolic stable than Cefoxitin. ()
6. Cefazolin provides higher serum levels, slower renal clearance, and a longer half-life than other first generation cephalosporins. ()

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Question Two: Compare between the following compounds in variations and characteristics of structures, pharmacokinetic properties and spectrums of activity?

1. Cefoxitin and Ceftriaxone.

2. Cefuroxime and Cefuroxime axetil.

3. Clavulanic acid and Sulbactam.

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4. Aztreonam and Tigemonam.

5. Cefadroxil and Cefprozil.

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Question Three: What are the structural features of thienamycin? (Draw the structure).

End of Questions
Good Luck