

Course No:
Course Title: Pharmaceutics III
Date: 25/10/2017
No. of Questions: (4)
Time: 1hours
Using Calculator (No)

University of Palestine



First Mid. Exam
2017/2018
Total Grade: 30

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

Question One: Definitions:

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- 1. Sterilization:**

- 2. Disinfection:**

- 3. Decimal reduction time:**

- 4. D-value of radiation sterilization:**

- 5. Z-value of heat sterilization:**

Question Two:

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- A. What are ideal sterilization method properties?**

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B. Mention & Explain five factors that influence on sterilization process?

Question Three: Liposome

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A. What is the liposome (structurally) , Mention the application of use and advantage/disadvantage of it?

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Question Four: Pharmaceutical formula

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Parenteral formula contain:

5% Diazepam
50% w/v PEG 300
30% w/v Ethyl alcohol
1% Benzyl alcohol
2% acetate/acetic acid
8% Polysorbate 80
0.1% w/v sodium meta-bisulfite
add to 100% sterile water for injection, USP

Mention and explain the function of each additive substance, and predictive the formula type?

End of Questions

Good Luck