

KATHMANDU UNIVERSITY
End Semester Examination [C]
July, 2017

JUL 12 2017

Level : B. Pharm.
Year : II
Time : 2 hrs. 30 mins.

Course : PHAR 201
Semester: I
F. M. : 55

SECTION "B"

[5Q. × 3 = 15 marks]

Indicate by checking (√) of each question you have answered in the cover page of main answer book. Answer *ANY FIVE* of the following questions:

1. Define
a. Abiogenesis b. Positive and Negative Control c. Morphology
2. List down 6 diseases that are vaccine preventable.
3. Define culture media and list down the media/s suitable for bacteria.
4. Define aseptic techniques and list down the steps where these techniques have to be followed.
5. List down the sources of contamination in Pharmaceutical Industry due to microbes.
6. What is IMVIC test? What do Methyl Red Test (MR-Test) and Voges-Proskauer Test (VP-Test) indicate in the identification of microorganism?
7. Explain about a communicable disease.

SECTION "C"

[5Q. × 5 = 25 marks]

Answer *ANY FIVE* of the following questions.

8. List down the parts of a compound microscope and mention the use of each component.
9. Discuss on microbial monitoring processes.
10. Discuss on clean room as per the ventilation method being utilized.
11. Explain about culture Medias.
12. Describe about official assay methods.
13. Name different methods of sterilization. Mention the organisms that need high level disinfection, intermediate level disinfection and low level disinfection.
14. Distinguish between bacteria, virus and fungi. What benefits they can provide in the field of Pharmacy?

SECTION "D"
[2Q. × 7.5 = 15 marks]

Answer *ANY TWO* of the following questions:

15. Discuss about pharmaceutical clean room classification considering both particle and microbial criteria.
16. Discuss on the effect and assessment of Microbial contamination.
17. What are different sterilization methods? Mention the mechanism of dry and moist heat sterilization. Explain about radiation sterilization.