

KATHMANDU UNIVERSITY
End Semester Examination
March/April, 2022

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

Course : PHAR 411
Semester: II
F.M. : 55

Note: Check (✓) the number of each question you have answered in the front page of main answer book (of Sections B, C and D).

SECTION "B"

[5Q × 3 = 15 marks]

Answer *ANY FIVE* questions.

1. Define :
 - a. Class I BSC
 - b. Turn over
 - c. Restricted distribution program
2. What are the complications of parenteral nutrition?
3. Identify the similarities and dissimilarities between Compliance and adherence.
4. List down the elements of communication skills.
5. Mention the daily requirement of carbohydrate, fats and protein for different conditions of a person.
6. Outline a schematic diagram of Pharmaceutical Purchasing process.
7. Mention the risks involved for healthcare personnel's handling anticancer chemotherapy.

SECTION "C"

[5Q × 5 = 25 marks]

Answer *ANY FIVE* questions.

8. Draw a model of related elements in management in community Pharmacy and explain it.
9. List down types of air flow patterns. Which one is frequently used and why? Mention the limits for microbial contamination of an operating clean room of all grades.
10. Define parenteral products. What are the indications for TPN?
11. You want to establish a drug information centre in Nepal. What are the prerequisites? Will similar facilities and resources work for poison information centre too? Give reasons.
12. How specialized services from hospital Pharmacy can create job opportunities for the Pharmacist in Nepal. Explain.
13. What are the factors to be considered while responding to symptoms? Does the approach for responding to the symptoms of children and elderly differ?
14. Orientation holders are as equal as pharmacists in terms of practice power in community Pharmacy in Nepal. What are the major problems that are, as a consequence of this equity? Is it okay with you as a pharmacists? Why? Discuss on the orientation holders and community pharmacy in Nepal.

SECTION "D"
[2Q × 7.5 = 15 marks]

Answer *ANY TWO* questions.

15. Briefly describe the history and give your opinion on the challenges and opportunities of Community Pharmacy in Nepal.
16. If you have to choose career option between community pharmacy and hospital Pharmacy, which one would you choose? Justify. What are the procedures you need to do before establishing a community Pharmacy? Show a price and resources breakdown for the establishment of a community pharmacy in second largest city of Nepal, Birgunj. The approximate population of this city is 300,000.
17. "Polypharmacy is increasing day by day due to multiple diseases and thus adherence may not be achieved with conventional drug information trend. How can Pharmacists counseling be intervened in order to increase adherence?"