

KATHMANDU UNIVERSITY
End Semester Examination
June/July 2024

Marks Scored:

Level : B.Pharm.

Year : IV

Exam Roll No. :

Time: 30 mins.

Course : PHAR 411

Semester : II

F. M. : 20

Registration No.:

Date :

SECTION "A"

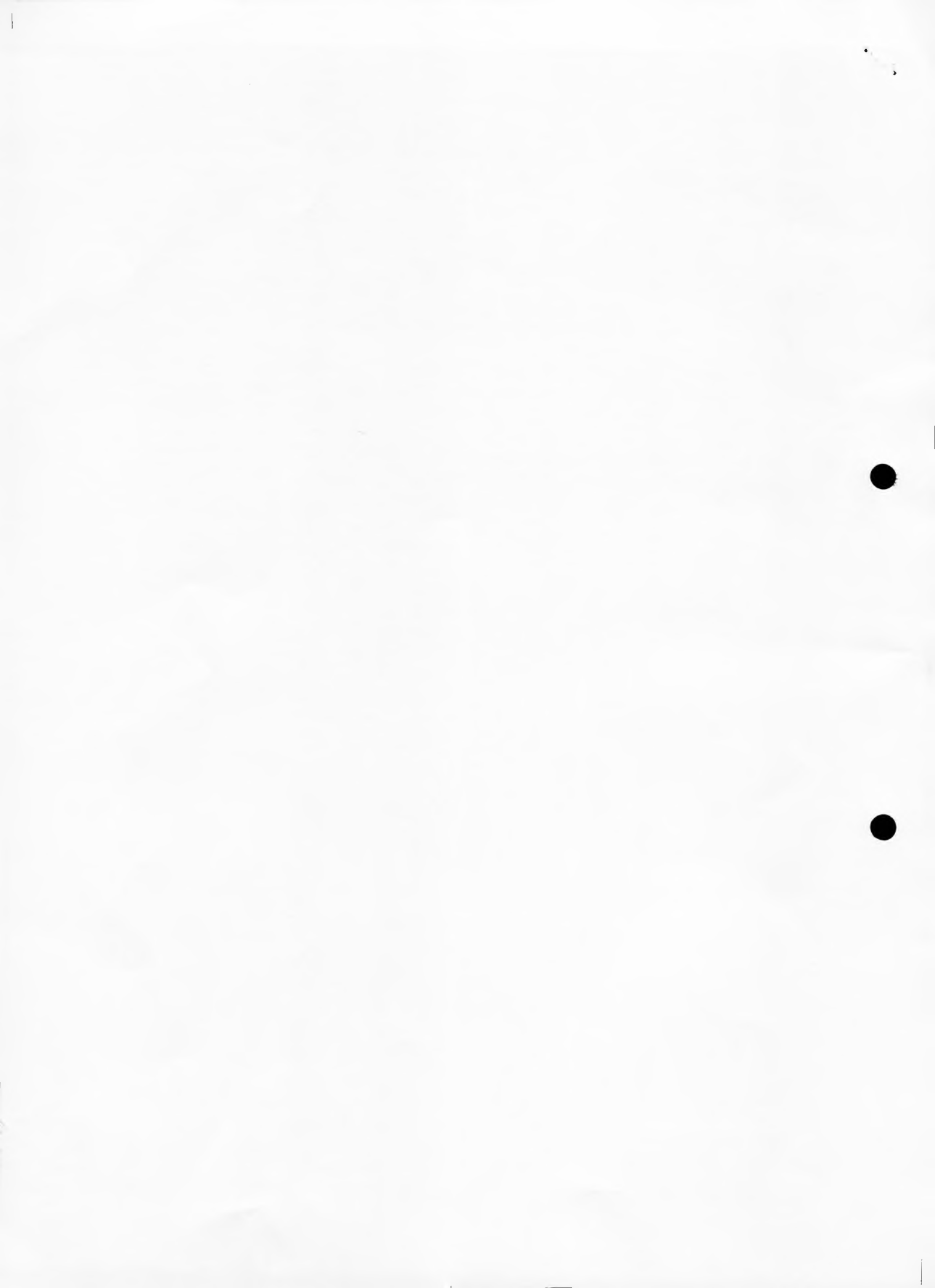
[20Q. × 1 = 20 marks]

Choose and mark [X] in the most appropriate option from each set of choices.

1. Commencement of BPharm and Intermediate level Pharmacy Course in Nepal took place in _____ A.D and _____ A.D respectively.
[] 1994, 1969 [] 1972, 1970 [] 1977, 1994 [] 1994, 1972
2. Which one of the following about "penetration pricing" is **CORRECT**?
[] Involves setting prices that are high relative to most purchaser's willingness to pay
[] Involves determining the rupee value benefit for the purchaser and pricing toward that rupee amount.
[] Involves determining the costs involved in making and delivering the product, including operational costs, and adding a "fair" amount above that.
[] None of the above
3. Patient medication records should include all **EXCEPT**
[] pets kept at home [] diagnosis
[] current medication therapy [] medication allergies
4. Which of the following statement on major ailments is right?
[] It can be responded legally by Pharmacist.
[] Sometimes it can even take life.
[] It continues for shorter duration.
[] It is self-limiting in nature.
5. The full form of NPA is _____
[] Nutraceuticals Patent Authority
[] Nepalese Plant Association
[] Nepal Pain Association
[] Nepal Pharmaceutical Association
6. Which one of the following doesn't fall under Roger's 5 factors for product diffusion?
[] Versatility [] Compatibility [] Observability [] Complexity
7. Which one of the following doesn't come under primary source of Information?
[] Text book [] Abstract [] Review article [] Advertisement
8. The formula for calculating BMI is _____
[] Kg/cm² [] Gm/m² [] Kg/m² [] Kg/m³

9. Which of the following statement on major ailments is right?
 Major ailments can be responded legally by Pharmacist.
 It is self-limiting in nature.
 It can continue for longer duration.
 It doesn't take life.
10. Which one of the following statements about "community pharmacy management" is **INCORRECT**?
 A good manager will be a good communicator.
 Managers must possess skills like technical, interpersonal, and conceptual.
 Successful organizations recognize that the true source of their long-term competition advantage is their people.
 None of the above.
11. Which one of the following statements regarding responding to symptoms is **INCORRECT**?
 Family history should be taken while attending to symptoms of patients
 Minor symptoms can be managed by non-prescription medicines
 Effective questioning is essential in order to obtain all relevant information
 Confirmation of symptoms described by patient can be skipped as per the need basis
12. Which of the following information regarding eye lotion is **INCORRECT**?
 Sterile and usually containing no preservative
 Volume not greater than 300 ml
 Isotonic with lachrymal fluid
 Neutral PH
13. Which one of the following is **NOT** the responsibility of Drug information center?
 Toxicovigilance
 Conduction of educational program for healthcare professionals
 Patient management
 None of the above
14. Choose the **INCORRECT** statement on the disposal of cytotoxics.
 Container may be of plastics, bright colored and sealed with the cytotoxic warning label
 Sharp objects like needles, syringes, ampoules and vials should be kept inside sharp bins
 Container should be leak free
 Patient excreta should be assumed hazardous for at least 24 hours
15. All types of peritoneal dialysis use machine **EXCEPT**
 IPD APD CAPD None of the above
16. Pick out the parenteral route of medicinal agent administration:
 Rectal Sublingual
 Inhalation All are parenteral route

17. The intravenous route is widely used to administer parenteral products, but it must not be used to administer _____ Emulsion or suspensions.
 oil-in-water water-in-oil
 Oil-in-water-in oil both b and c
18. Dextrose 5 % provides _____ kcal/1000 ml.
 100 200 300 400
19. Which formula for calculating return on total asset is **INCORRECT**?
 Net Income / Total Assets
 (Revenue – Cost of Goods Sold – Other Expenses)/ Total Assets
 (Revenue – Cost of Goods purchased – Other Expenses)/ Total Assets
 Net Income / Current Assets + Long Term Assets
20. The central and peripheral access is two routes of parenteral nutrition. Peripheral access cannot be used if parenteral nutrition osmolality is _____ times normal serum osmolality.
 > 2 > 2.5 > 3 none of the above



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SECTION "B"

[5 Q. × 3 = 15 marks]

Attempt *ANY FIVE* questions.

1. Define:
 - a. Parenteral products
 - b. Turn Over
 - c. Radio Pharmaceuticals
2. Differentiate between Adherence and Compliance.
3. Mention the complications of total parenteral nutrition.
4. Write various definitions of counseling.
5. List down the variables you would consider while formulating an eye drop.
6. List down types of air flow patterns. Which one is frequently used and why?
7. Outline a schematic diagram of Pharmaceutical Purchasing process.

SECTION "C"

[5 Q. × 5 = 25 marks]

Attempt *ANY FIVE* questions.

8. Define parenteral products. What are the indications for TPN? Mention the daily requirement of carbohydrate, fats and protein for different conditions of a person.
9. Define radiopharmaceuticals. Mention the risks involved for healthcare personnel's handling anticancer chemotherapy and radiopharmaceuticals.
10. List down the common conditions treatable by Pharmacists. Also list down the principles for responding to symptoms.
11. Define isolators, list down their types and mention the limits for microbial contamination of an operating clean room of all grades.
12. Define compliance aids and discuss their types. Why is it more necessary to the Nepalese population than other developing countries?
13. 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.

P.T.O.

14. Define dialysis. Mention its types and discuss anyone of them. Does a dialysis fluid for haemodialysis need to be sterile? Give reason/s for your answer.

SECTION "D"
[2 Q. × 7.5 = 15 marks]

Attempt *ANY TWO* questions.

15. Orientation holders are as equal as pharmacists in terms of practice power in community Pharmacy in Nepal. What impact this can have on the standard of Pharmacy Practice in Nepal? Also discuss on the orientation holders and community pharmacy in Nepal.
16. "Responding to symptoms" is one of the clinical roles of community Pharmacist? Describe its principles.
17. Explain different pricing strategies. Which one is more suitable to pharmaceutical field? Justify your answer.