

KATHMANDU UNIVERSITY
End Semester Examination [C]
May/June, 2019

Marks scored:

Level : B. Pharm.
Year : IV

Course : PHAR 401
Semester : I

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date 03 JUN 2019

SECTION "A"

[20Q. × 1 = 20 marks]

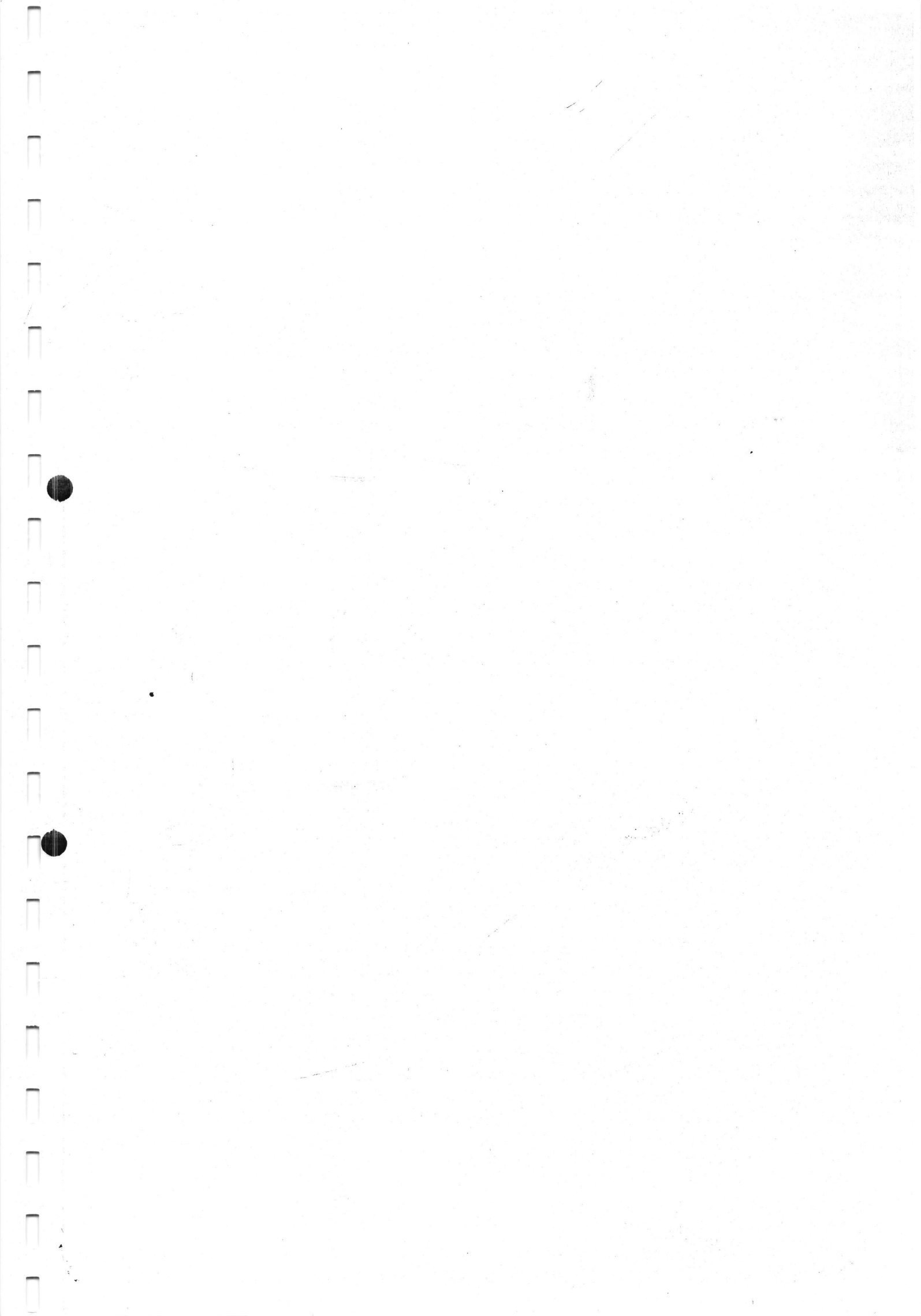
I. Tick [✓] the correct answer.

1. Bachelor and Masters level course in Pharmacy commenced in Kathmandu University inA.D and A.D respectively.
[a]1992, 1998 [b]1993, 1999 [c]1994, 2000 [d]1995, 2001
2. Beecham opened Britain's first modernfactory in St Helens in A.D.
[a] Unani, 1849 [b] drugs, 1859
[c] Alternative medicine, 1869 [d] Ayurvedic, 1879
3. Between 1979 and 1986 many reports on the future of pharmacy were prepared in United Kingdom.is one of them.
[a] Noble [b] Nuffield [c] Nofield [d] Neodim
4. Which one of the following statements is not true?
[a] Women are more likely than men to interpret discomfort as a medical symptom
[b] People with external locus of control are in control of their own health by their actions and behavior
[c] Women have a lower threshold of pain and discomfort and are more likely to seek medical care
[d] Men's life expectancy is lesser than women
5. The ratio of doctor to pharmacist is 1: 0.072 and Pharmacy technician to Pharmacist is
[a] 1:2.05 [b]1:1 [c] 1:5 [d]1:4
6. In Nepal pharmacists involvement is more in
[a] Primary care [b] Industry [c] Hospital [d] Community pharmacy
7. The full form of FIP is
[a] Federation of International Pharmacy [b] International Pharmacy Friends
[c] International Pharmaceutical Federation [d] Federation of Intern Pharmacy

8. Which one of the examples below is not true for sound alike look alike (SALA) drug pair?
 [a] Decold - Dcold [b] ALASPAN – BELASPAN
 [c] LEVOZIN - Loratidine [d] NIKO- THIKHO
9. The abbreviation sig. stands for
 [a] Immediately [b] Label [c] Signature [d] As directed
10. The latin term omnie die stands for
 [a] As before [b] At night [c] Everyday [d] Every morning
11. Sociable area to be maintained during communication is approximately.....
 [a] > 3cm [b] 0.5-1m [c] 15-50 cm [d] 1-3 cm
12. Which of the following statements about “Karvol Capsule” is true?
 [a] It can be applied directly to the nostrils
 [b] It can also be taken orally
 [c] It is meant for inhalation purpose only
 [d] It is used for symptomatic relief of headache
13. Which of the following statements about Macrogol is true?
 [a] Preparations containing high polymers mixed with low polymers release drug slowly
 [b] Less likelihood of leakage from body
 [c] Produce laxative effect
 [d] Can be refrigerated during preparation
14. Hard gelatin shell capsule of size “3” has approximate capacity of.....mg
 [a] 100 mg [b] 250 mg [c] 450 mg [d] 200 mg
15. Which of the following statements of “Synthetic fats” is false
 [a] Refrigeration can be done during preparation period
 [b] Too rapid cooling should be avoided
 [c] Synthetic bases set very quickly
 [d] Witpsol is a hard amorphous base
16. A cool place refers to a temperature between
 [a] 2 and 8^oc [b] Upto 8^oc [c] -2 and -8^oc [d] 8 and 15^oc
17. Which of the following statements about “Transdermal drug delivery system” is false?
 [a] Produce steady state plasma concentration
 [b] Extended therapy with single application
 [c] Suitable for drugs with long half life
 [d] Suitable only for potent drugs

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18. Which of the following statements about "Suspension" is true?
[a] Flocculating agents in suspension enhance particle dispersability
[b] Particles $>25\mu\text{m}$ will form hard cake
[c] Deflocculated suspensions sediment rapidly
[d] Buffer capacity of ophthalmic suspension must be high
19. Which of the following statements is true?
[a] Drugs in suspension are chemically less stable than in solution
[b] Drug availability from suspension is dependent on viscosity
[c] Drugs with high solubility are formulated as suspensions
[d] Reconstituted amoxicillin dry syrup can be stored for 7 days if refrigerated
20. Which of the following statements is true?
[a] Tincture of iodine is intended for application to the mucosa of throat or mout
[b] Intake of food or water should be avoided for 1 hour after application of throat paint
[c] Glycerin acts as a preservative in Mandl's paint
[d] Tinctures are dilute aqueous antimicrobial solutions



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03 JUN 2019
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Level : B. Pharm.
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Time : 2 hrs. 30 mins.

Indicate by checking (✓) of each question you have answered in the cover page of main answer book.

SECTION "B"

[5Q. × 3 = 15 marks]

I. Answer *ANY FIVE* questions.

1. Define Pharmacy Assistant, Type A and Type B behaviour and pharmcomythologies.
2. Mention the special dates with their relevance to Pharmacy profession in Nepal.
3. What is social Pharmacy and why it is important for Pharmacy Profession?
4. A lady comes to your pharmacy with the prescription: Suspension amoxicillin 5ml PO TDS for 5 days for her 10 month old infant suffering from acute pharyngitis. The medication is in dry syrup form. How will you counsel the lady on use of the medication?
5. A patient comes to your pharmacy with the prescription of Betadine gargle for his sore throat. How will you counsel the patient on use of the medication?
6. Define the following:
 - a. Off label medicine
 - b. Levigation
 - c. Extemporaneous preparation
7. A patient comes to your pharmacy with the prescription: Fluticasone nasal spray 2puffs to be applied to both nostrils OD for 5 days. How will you counsel the patient on proper use of the device?

SECTION "C"

[5Q. × 5 = 25 marks]

II. Answer *ANY FIVE* questions.

8. Discuss about the community pharmacy contractual framework of England and Wales, introduced in 2005. Identify the area/s where Nepal may implement it in near future.
9. Mention and discuss about determinants of health.
10. Mention routine procedure for dispensing prescription. Mention the instruction/s of FIP regarding the labeling.

11. Write a detailed note on use of metered dose inhaler and the problems encountered with the use of this device.
12. List down the various pharmaceutical applications of emulsion. Also mention the different advantages and disadvantages of emulsions. [3+2]
13. What are the problems encountered during storage of a medicine that ultimately affects its' stability? What do you understand by the term "Drug Content Uniformity"? [3+2]
14. Prepare 6 suppositories containing 300 mg of bismuth subgllate using 1g mould. Displacement value of Bismuth subgallate is 2.7. Calculate the amount of base required for the preparation.

SECTION "D"

[2Q. × 7.5= 15 marks]

IV. Answer *ANY TWO* questions.

15. Discuss on the important incidents that underwent in Pharmacy profession in United Kingdom. What can Nepal learn from their experience?
16. Write a detailed note on "Formulation of suspension".
17. Answer the following questions:
 - a. How will you communicate to a patient with special needs like hearing impairment? [3.5]
 - b. What are the various methods of dispensing semisolid preparations? [4]