

KATHMANDU UNIVERSITY
End Semester Examination [C]
June 2018

Marks Scored:

Level : B.Pharm.
Year : IV

Course : PHAR 402
Semester: I

Exam Roll No.: _____ Time: 30 mins.

F.M. : 20

Registration No.: _____

Date

JUN 10 2018

SECTION "A"

[20 Q. × 1 = 20 marks]

- I. Check (✓) the correct answer of the following multiple choice questions:
- Method of the inventory analysis that groups the drugs based on their criticality to patient care is:
a. VED
b. ABC
c. ABC and VED matrix
d. Two bin system
 - Extra stock that is kept to meet any exigency is called:
a. Buffer stock
b. Reorder level stock
c. Lead time
d. Minimum order level
 - Average interval between placement of order for supply of item and actual receipt of the material is:
a. Lead time
b. Reorder level
c. Lag time
d. Buffer stock
 - Radioactive isotope chosen for radiation therapy to prevent cancer is?
a. Iodine-131
b. Cobalt-60
c. Carbon-14
d. Sodium-24
 - Gauge size of IV cannula for small volume replacement is:
a. 14G
b. 22G
c. 24G
d. 16G
 - The first hospital pharmacy service of Nepal was established in the year:
a. 1950
b. 2016
c. 2015
d. 1970
 - One of the following is the therapeutic hospital equipments:
a. USG
b. MRI
c. Dialysis machines
d. infusion pumps
 - Which one of the following is preferred to reduce medication error during prescribing:
a. 7.0
b. 0.7
c. .8
d. AZT
 - Lancet journal is an example of which source of literature:
a. Primary
b. Secondary
c. Tertiary
d. Quaternary
 - Catgut suture is made from:
a. Strands of purified collagen
b. Polyglycolic acid
c. Polylactic acid
d. Polydioxanone

11. Which of the following allows a patient to receive medication "instantly"?
- a. STAT order b. Standing order c. PRN order d. Unit order
12. The chairman of DTC is:
- a. Chairman of hospital b. Clinical director of hospital
c. Head of pharmacy d. Head of surgery
13. MRI has the following properties except:
- a. Much higher details in soft tissues b. Use of ionizing radiation
c. Takes 30-45 minutes d. Better contrast resolution
14. Calculate maximum order level if re-order quantity is 2500 units, re-order level is 4000 units, re-ordering period is 4 days and daily consumption is 1000 units:
- a. 3000 b. 2500 c. 2000 d. 1500
15. A 700 bed hospital requires an area ofsq. feet for manufacturing parenterals:
- a. 1500 b. 500 c. 900 d. 600
16. Radionuclide generator is used for the preparation of:
- a. Narcotic drugs b. Radiopharmaceuticals
c. Diabetic drugs d. Radio weapons
17. Giving Losec instead of Lasix is an example of:
- a. Error of omission b. Dispensing error
c. Incorrect administration d. Deliberate violation of guidelines
18. A branch of inpatient pharmacy responsible for preparing, dispensing, and monitoring medications for specific areas:
- a. Central pharmacy b. Inpatient pharmacy
c. Nuclear pharmacy d. Pharmacy satellite
19. Antipsychotic medicines to be prescribed only by mental health professionals is an example of:
- a. Controlled medicines b. Restricted medicines
c. OTC medicines d. Not controlled medicines
20. sq. feet is the minimum required area of pharmacy for any sized hospital:
- a. 700 b. 250 c. 500 d. 600

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

Course : PHAR 402
Semester: I
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"

[5 Q. × 3 = 15 marks]

II. Answer **ANY FIVE** questions:

1. Define hospital pharmacy and its mission?
2. Discuss briefly on hospital pharmacy layout design.
3. What are the roles of pharmacists in drug procurement?
4. What is unit dose system for in patient drug distribution?
5. What are the objectives of drug and therapeutic committee in a hospital?
6. Mention the steps involved in the preparation of hospital formulary.
7. Write short notes on (**ANY TWO**)
 - a. Medical ultrasonography (USG)
 - b. Automated dispensing system
 - c. Cold kits

SECTION "C"

[5 Q. × 5 = 25 marks]

III. Answer **ANY FIVE** questions:

8. What are requirements and responsibilities for dispensing of controlled substances?
9. Discuss about the minimum standards for establishing hospital pharmacy. What are the challenges associated for running a hospital pharmacy?
10. What types of drug information resources need to be available in hospital pharmacy settings?
11. What are the benefits of effective formulary system?
12. Define radioactive half-life. Discuss about the therapeutic and diagnostic uses of radiopharmaceuticals.
13. What is balanced prescribing? Discuss about the approaches for reducing medication errors.

14. Explain about the major types of surgical instruments used in the hospital.

SECTION "D"

[2 Q. × 7.5 = 15 marks]

- IV. Answer *ANY TWO* questions:

15. Discuss in detail about inpatient and outpatient drug distribution system in a hospital.
16. What are the purposes and benefits of drug and therapeutic committee? How do you monitor DTC performance in any hospital, discuss about the relevant indicators?
17. Discuss on different types of inventory management systems with associated advantages and disadvantages.