

Marks Scored:

KATHMANDU UNIVERSITY
End Semester Examination
March/April, 2017

APR 10 2017

Level : B. Pharm
Year : IV

Course : PHAR 402
Semester : I

Exam. Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date :

SECTION "A"

[20 Q. × 1 = 20 marks]

- I. Check (✓) the best answer.
- As per the ASHP guideline, a new drug in the process of addition in the formulary should be kept under evaluation for a period of.....
[a] 1 months [b] 3 months
[c] 6 months [d] 1 year
 - A hospital with 400 beds is:
[a] Very small hospital [b] Small hospital
[c] Medium hospital [d] Large hospital
 - Limiting the dosing of a long-acting injectable antibiotic to once every 24 hours is an example of:
[a] Drug use criteria [b] Diagnosis criteria
[c] Prescriber criteria [d] Drug specific criteria
 - According to the hospital pharmacy directive 2072 of Nepal, the minimum number of pharmacist and pharmacy assistant required in a general hospital with 75 beds is.....
[a] 2 & 4 [b] 3 & 6
[c] 2 & 6 [d] 3 & 4
 - Which of the following statement is FALSE regarding personnel in hospital pharmacy?
[a] As the number of bed increases, the number of pharmacist also increases
[b] No. of pharmacists required in a hospital does not depend on national policy
[c] There are no standard rules regarding the requirement of personnel for inpatient pharmacy
[d] Number of pharmacist required for a hospital is calculated on the basis of workload
 - The incidence of medication errors are high in:
[a] Floor stock system [b] Centralized drug distribution system
[c] Individual prescription order system [d] Unit dose dispensing
 - Which of the following has the highest penetrating power?
[a] Alpha particle [b] X rays
[c] Beta particle [d] Gamma rays
 -is a radiopharmaceutical used for the therapeutic management of prostate cancer.
[a] Sodium iodide I 131 [b] Samarium Sm 153
[c] Chromic phosphate P 32 [d] Strontium chloride Sr 89

9. Continuing gentamicin after detection of renal failure is an example of:

[a] An extra dose error	[b] A wrong dose error
[c] An Unordered error	[d] A wrong dose preparation error

10. Under medication error categorization index, the error that resulted to temporary patient harm and needs treatment falls under.....

[a] Category C	[b] Category D
[c] Category E	[d] Category F

11.do not contribute to medication errors.

[a] Confirmation bias	[b] Standardization
[c] Psychological state	[d] Frustration

12. Prepackaging of drugs is done in hospital pharmacy for the following reasons EXCEPT:

[a] Decrease the time for dispensing
[b] Decrease the incidence of errors with standard labeling
[c] Increase the patient confidence
[d] Increase the amount of stock in the dispensary

13. Which of the following is NOT an error prone notation for medication error?

[a] 10.0	[b] .5
[c] U	[d] 0.5

14. Payr probe falls under:

[a] Hemostatic tool	[b] Retracting tool
[c] Grasping tool	[d] Wound closing material

15.is NOT a criteria of ideal surgical materials.

[a] Resistant to shrinking to tissues	[b] Ferromagnetic
[c] Non-capillary	[d] Good tissue holding capacity

16. The cost of capital to finance the inventory comes under.....

[a] Acquisition cost	[b] Procurement cost
[c] Carrying cost	[d] Ordering cost

17. The instant correction of any drug shortages, if occurred can be done in:

[a] ABC Analysis	[b] Perpetual inventory system
[c] Combination of EOQ and VED analysis	[d] Material budgeting

18. The selection of drugs in the formulary largely depends upon the following EXCEPT:

[a] Geographical factors	[b] Demographic factors
[c] Personnel available	[d] Financial factors

19. The number of drug order transcriptions are reduced in.....

[a] Individual prescription order system	[b] Unit dose dispensing
[c] Both a and b	[d] Complete floor stock system

20. The chairman of DTC is:

[a] Chairman of hospital	[b] Clinical director of hospital
[c] HOD of medicine department	[d] Head of pharmacy department

KATHMANDU UNIVERSITY
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Level : B. Pharm
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Time : 2 hrs. 30 mins.

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F. M. : 55

SECTION "B"
[5 Q. × 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. Contrast the various modes of radioactive decay.
2. What are the criteria of ideal surgical materials?
3. Classify hospitals.
4. What will be your responsibilities as director of hospital pharmacy?
5. Why do we need a well functioning DTC in a hospital?
6. List the merits and demerits of hospital formulary.
7. Define the terms (*ANY TWO*)
 - a. Lead time
 - b. Hospital pharmacist
 - c. Centralized drug distribution

SECTION "C"
[5 Q. × 5 = 25 marks]

Answer *ANY FIVE* of the following questions:

8. Define hospital formulary. Explain in brief on the process by which drug products are added to or deleted from the formulary.
9. Discuss on the areas/scope that you feel is important to uplift the profession of hospital pharmacist in Nepal.
10. What is unit dose dispensing? Write in brief on the procedure of unit dose dispensing system.
11. Define medication errors. Discuss in brief on the steps/measure to minimize medication error.
12. What do you understand by prepackaging? What are the factors that need to be considered while prepackaging the drugs in hospital pharmacy?
13. What are the functions of hospital pharmacy? Explain.

14. Write short notes on: (*ANY TWO*)
- a. Dispensing to outpatients
 - b. Extemporaneous preparations
 - c. Catheters

SECTION "D"
[2 Q. × 7.5 = 15 marks]

Answer *ANY TWO* of the following questions:

15. You are appointed as a chief of hospital pharmacy department of a tertiary care hospital. Discuss in brief on how your presence will improve the procurement practice. What techniques will you use for inventory management? Why?
16. What are the issues and challenges to effectively implement and maintain a DTC in Nepal? Discuss various functions of DTC.
17. Explain in brief on radiation hazards. What are the precautions that may be undertaken to minimize the radiation exposure emitted from radiopharmaceutical?