

Question Paper

Exam Date & Time: 19-May-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

HOSPITAL and CLINICAL PHARMACY [PPR-ER20-25T-S1]

Marks: 80

Duration: 180 mins.

MCQs

Answer all the questions.

Section Duration: 30 mins

20 Q x 1 mark = 20 marks

- 1) Which one of the following is not a part of in-patient drug distribution system? (1)

[Mobile dispensing unit](#)
[Satellite pharmacies](#)
[Community pharmacy](#)
[Floor stock system](#)

- 2) What is the major advantage of a robotic pharmacy compared to the traditional pharmacies? (1)

[Higher cost](#)
[Reduce human error](#)
[Patient counselling](#)
[Expensive](#)

- 3) Following are the objectives of Pharmacy and Therapeutics Committee. (1)

[Advisory](#)
[Educational](#)
[Drug safety & adverse drug reaction monitoring](#)
[All the above](#)

- 4) What is meant by the medical terminology "chronic"? (1)

[Present at birth](#)
[Acquired after birth](#)
[Slow onset and progress of disease](#)
[Symptoms or signs that begin and worsen](#)

[quickly](#)

5) What do you mean by the prefix "Macro-"? (1)

[Small](#)

[Large](#)

[Many](#)

[New](#)

6) Textbooks are examples of (1)

[Primary resources](#)

[Secondary resources](#)

[Tertiary resources](#)

[None of the above](#)

7) A system in which medications are dispensed from an automated unit at the point of use? (1)

[Batching](#)

[Mobile unit dispensing system](#)

[Automated dispense system](#)

[Code cart](#)

8) PubMed/Medline belongs to the category of (1)

[Primary sources](#)

[Secondary sources](#)

[Tertiary sources](#)

[None of the above](#)

9) What is the main objective of the drug distribution system? (1)

[To inspect and control the drug purchase](#)

[To provide drugs for all patients of the hospital in a systematic way](#)

[For better inventory control](#)

[To store the drugs properly](#)

10) Protein, carbohydrates and essential nutrients given to the patients through an IV line is called as (1)

[PRN order](#)

[Compounded drug](#)

[Total Parenteral Nutrition \(TPN\)](#)

[IV admixtures](#)

11) The first drug information centre (DIC) was opened in the (1)

- [University of Kentucky](#)
- [University of Missouri](#)
- [Washington State University](#)
- [Huddings University](#)

12) Which among the following is a drug-related problem? (1)

- [Untreated indication](#)
- [Adverse drug reaction](#)
- [Failure to receive medication](#)
- [All of the above](#)

13) The chairperson of Pharmacy and Therapeutics Committee. (1)

- [Nurse](#)
- [Pharmacist](#)
- [Physician](#)
- [Microbiologist](#)

14) Antidote is used in Opioid poisoning. (1)

- [Fomepizole](#)
- [Naloxone](#)
- [Flumazenil](#)
- [None](#)

15) The main in-patient pharmacy in a hospital that has pharmacy satellites (1)

- [Community Pharmacy](#)
- [Chain Pharmacy](#)
- [Veterinary Pharmacy](#)
- [Central Pharmacy](#)

16) _____ indicates the upper limit beyond which the quantity of any item is not allowed to rise. (1)

- [Reorder stock level](#)
- [Maximum stock level](#)
- [Minimum stock level](#)
- [Safety stock level](#)

17) Serotonin syndrome is seen in _____ poisoning. (1)

- [Benzodiazepine poisoning](#)
- [Barbiturate poisoning](#)
- [Heavy metal poisoning](#)
- [Antidepressants poisoning](#)

18) _____ is the average duration in days between placing an order and receipt of material. (1)

- [Average daily usage](#)
- [Lead time](#)
- [Reorder level](#)
- [safety stock](#)

19) Fomepizole is used as an antidote in _____ poisoning. (1)

- [Methanol poisoning](#)
- [Snake bite](#)
- [Lead poisoning](#)
- [Iron overdose](#)

20) IV admixtures should be prepared in an area with _____ condition (1)

- [Aseptic](#)
- [Clean](#)
- [Moist](#)
- [Normal](#)

Long Answers

Answer all the questions.

6 Q x 5 marks = 30 marks

- 1) Explain the objectives and composition of Pharmacy and therapeutic Committee. (5)
- 2) Explain the professional responsibilities of Hospital pharmacist in hospital pharmacy. (5)
- 3) Explain advantages and disadvantages of Individual prescription order method. (5)
- 4) Explain the types of drug information resources. (5)
- 5) Define pharmaceutical care and explain the procedure to provide pharmaceutical care. (5)
- 6) Explain the Liver function tests. (5)

Short Answers

Answer all the questions.

10 Q x 3 mark = 30 marks

- 1) Define Economic Order Quantity and Reorder Quantity Level. (3)
- 2) Write a note on automated drug dispensing system. (3)
- 3) Explain the significance of Total parenteral nutrition. (3)

- 4) Explain Schedule H1 drugs. (3)
- 5) Explain Drug Basket Method of drug distribution. (3)
- 6) Write a note on compounding of IV admixture. (3)
- 7) Explain the devices used for cold storage. (3)
- 8) Define patient counselling and enlist the steps for patient counselling. (3)
- 9) Define medication errors and their consequences (3)
- 10) Enlist scopes of Pharmacovigilance. (3)

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