

**SAMPLE PAPER  
PHARMACY TECHNICIAN  
SECOND YEAR PART II  
PAPER 1**

## SUBJECT

1. Which one of the following ways is Hospital Pharmacy Services NOT similar to Community Pharmacy Services?
  - A. Maintaining drug treatment records
  - B. Ordering and stocking medications and medical supplies
  - C. Providing information about the proper use of medications
  - D. Enforcing how opened unit doses can be returned to stock
  - E. Preparing medications in various dose forms for dispensing
  
2. What are Outpatient Pharmacy Services?
  - A. Many hospitals offer these services such as nutrition support, pharmacokinetics, critical care, and other specialties.
  - B. Most hospitals have a drug information service that is primarily responsible for making recommendations on a drug formulary.
  - C. Many large hospitals need to serve the medication needs of patients discharged from the hospital, as well as for those patients who are seen in the emergency room or other ambulatory clinics adjoining the hospital.
  - D. Many hospitals provide expert consultations in such areas as pediatric pharmacology, nutritional support, and pharmacokinetics
  
3. \_\_\_\_\_ is used in the hospital pharmacy to increase accuracy and improve efficiency and quality of pharmacy services.
  - A. Automation
  - B. Technology
  - C. Marketing
  - D. Robotic procedure
  - E. Medication
  
4. The optimal pH for the enzyme rennin is:
  - A. 2.0
  - B. 4.0
  - C. 5.0
  - D. 6.0
  - E. 8.0
  
5. The purity of an isolated protein can be tested by employing various methods:
  - A. Solubility curve
  - B. Ultra-Centrifugation
  - C. Molecular weight
  - D. Immuno Ractivity
  - E. All of the above

6. Which of the following is required for crystallization and storage of the hormone insulin?
- A.  $Mn^{++}$
  - B.  $Mg^{++}$
  - C.  $Ca^{++}$
  - D.  $Zn^{++}$
7. The first enzyme isolated, purified and crystallized from Jack bean (*Canavalia*) by Sumner in 1926 was:
- A. Urease
  - B. Insulin
  - C. Ribonuclease
  - D. Zymase
  - E. Enzyme
8. Drug substances most frequently are administered orally by the means of solid dosage forms such as \_\_\_\_\_ and \_\_\_\_\_.
- A. Tablets ... capsules
  - B. Forms ... periodics
  - C. Drugs ... tablets
  - D. Capsules ... forms
  - E. Periodic ... pills
9. Appropriate preparations that could be dispensed over-the-counter to treat motion sickness include all of the following EXCEPT:
- A. Stugeron
  - B. Avomine
  - C. Kwells
  - D. Motilium
  - E. Phenergan
10. How many tablets of prednisolone 5 mg should be dispensed to a patient who has been prescribed prednisolone 25 mg for 5 days?
- A. 5
  - B. 125
  - C. 25
  - D. 50
  - E. 45
11. Hospital pharmacies carry out a number of unique activities such as unit dose drug distribution system, repackaging, floor stock, and an IV admixture/TPN service. What is an advantage of a unit dose drug distribution system?
- A. There is no advantage, it is a standard
  - B. It helps with management
  - C. It is protocol
  - D. It saves money and reduces the chance of medication errors
  - E. It makes distribution easier

**12. Under the organization of the hospital, which committee is responsible for the prevention of nosocomial infections in the hospital?**

- A. Pharmacy and Therapeutics Committee
- B. Disease Control Committee
- C. Infection Control Committee
- D. Institutional Review Board

**13. Communicating in the hospital setting often means working with a wide variety of other healthcare providers. Understanding what role they play in the patients' healthcare is essential to effective communication. What duties does a phlebotomist have?**

- A. Assessing patient's readiness for surgery
- B. They are involved in the diagnostic testing of infants, children and adults with underlying medical concerns including disease and sleep disorders.
- C. To help people who suffer from chronic respiratory diseases like asthma, bronchitis and emphysema.
- D. Their function is to draw blood from a patient for clinical or medical testing, transfusions, donations, or research.
- E. To practice in the field of health sciences focusing on safe and effective medication use.

**14. Ibn Baytar (d.1248) described some 1400 drugs derived from various plants including some 200 new plants in his book "Kitab al-Jamey fil Adwiya alMufrada". Which of the following is Ibn Baytar credited with discovering?**

- A. various types of foods and drugs and their effects on a person's health
- B. the preparation of drugs by sublimation and distillation
- C. more than 350 colored renderings of plants and animals
- D. the earliest known herbal treatment for cancer: Hindiba
- E. discourses on melancholy, a treatise on pulse and one on materia medica

**15. The pH at which an enzyme has maximum activity is known as:**

- A. Optimum pH
- B. Isoelectric pH
- C. Low pH
- D. High pH
- E. Maximum pH

**16. The amino acid which has a pK near 4 and thus is negatively charged at pH 7 is:**

- A. Alanine
- B. Glutamic acid
- C. Glutamine
- D. Asparagine
- E. Threonine

**17. What is the most appropriate treatment that could be dispensed over-the-counter for irritation caused by contact dermatitis?**

- A. Eurax cream
- B. Canesten HC cream
- C. Hydrocortisone cream
- D. Clarityn tablets
- E. Pevaryl cream

**18. A 24 years old woman comes to the pharmacy with a new prescription for amitriptyline 25 mg tablets, two tablets t.d.s. The label produced for the medicine dispensed to the patient should include:**

- A. take two tablets three times daily
- B. take two tablets four times daily
- C. take two tablets three times daily after meals
- D. take two tablets three times daily before meals
- E. take one tablet three times daily

**19. You have in your pharmacy a cream containing 0.5% w/w hydrocortisone. You have been requested to use this cream as a base and to add in sufficient calamine such that the final concentration of calamine in the new cream will be 10.0% w/w. What is the concentration of hydrocortisone in the new cream?**

- A. 0.3% w/w
- B. 0.45% w/w
- C. 0.5% w/w
- D. 0.05% w/w
- E. 0.045% w/w

**20. Which of the following is NOT an example of Chemical incompatibility?**

- A. Precipitation
- B. Colour change
- C. Effervescences
- D. Insolubility
- E. Decomposition

**DESCRIPTIVE PORTION**

- 21. What are the different methods of family planning? Discuss advantages and disadvantages of Diaphragm?**
- 22. What are the five rights for correct drug administration?**
- 23. What is first falling-rate period in drying process?**

SAMPLE PAPER BY PPC

**ANSWER KEY**

Q #.	Right Choice
1	D
2	C
3	B
4	B
5	B
6	C
7	A
8	A
9	D
10	C
11	D
12	C
13	D
14	D
15	A
16	B
17	C
18	B
19	B
20	D