

**SAMPLE PAPER
PHARMACY TECHNICIAN 1ST YEAR
PART I PAPER 2**

SUBJECT

1. 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
2. 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
3. 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.
4. 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

5. 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
6. 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
7. 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
8. 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
9. 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
10. Which of the following is NOT an example of Chemical incompatibility?
- A. Precipitation
 - B. Colour change
 - C. Effervescences
 - D. Insolubility
 - E. Decomposition

11. Which one of the following belongs to family liliaceae?

- A. Vanilla
- B. Almond
- C. Senna
- D. Colchicum
- E. Opium

12. Which one of the following belongs to family Solanaceae?

- A. Capsicum
- B. Digitalis
- C. Male Fern
- D. Agar
- E. Ephedra

13. An agent which is responsible for artificial abortion is known as:

- A. Abstinence
- B. Acrid
- C. Abortifacient
- D. Abortant
- E. Brucal

14. Which one of the following is defined as a compound which upon hydrolysis give rise to one or more sugars and a non sugar compound?

- A. Fixed oil
- B. Volatile oil
- C. Resin
- D. Glycoside
- E. Carbohydrate

15. Which one of the following term is usually restricted to the agents which have one or more heterocyclic rings containing nitrogen?

- A. Enzymes
- B. Tannin
- C. Vitamins
- D. Alkaloid
- E. Phenols

16. Fibrinolysin is used to treat _____.

- A. Inflammation
- B. Antipyretic
- C. Venous Thrombosis
- D. Splenomegally
- E. Achly-gastrica

17. Pancreatin is used to treat _____.

- A. Liver Cirrhosis
- B. Pancreatitis
- C. Hepatomegally
- D. Pulmonary Embolism
- E. Asthma

18. What is the biological source of Pale Catechu?

- A. Acacia catechu
- B. Uncaria Gambier
- C. Quercus infectoria
- D. Coriander Sativum
- E. Acacia Arabica

19. What is the biological source of peppermint oil?

- A. Mentha Spicata
- B. Mentha Piperita
- C. Illicium Varum
- D. Cassia Cinamomum
- E. Menthol

20. Which one of the following alkaloid has the antihypertensive properties?

- A. Morphine
- B. Emetine
- C. Cocaine
- D. Reserpine
- E. Atropine

DESCRIPTIVE PORTION

21. Discuss the isotonic solution with example and give its applications.
22. What is prescription? Enumerate its parts and give the detail about inscription
23. What do you mean by crude drug evaluation? Write down the name of different method of evaluation and give detail about organoleptic evaluation.
24. What are resins? Write down the botanical name, chemical class, family, chemical constituents and medicinal uses of colocynth.

ANSWER KEY

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