

Total No. of printed pages = 4

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2020

**Diploma in Pharmacy 2nd Year End-Term
Examination**

HOSPITAL AND CLINICAL PHARMACY

Full Marks – 50

Time – Two hours

The figures in the margin indicate full marks
for the questions.

1. Answer the following questions (any *five*) : (5 × 1 = 5)
 - (i) Latest Edition of I.P is published in _____.
 - (ii) Sodium Chloride (0.9%w/v) is used as _____.
 - (iii) Aluminium hydroxide gel is used as _____.
 - (iv) Full form of SGOT and SGPT are _____ and _____.
 - (v) _____ is an example of anticoagulant drug.
 - (vi) Slow rate of heart contraction is termed as _____.
 - (vii) Latin terms Primo mane (Prim.m), means _____.

[Turn over

(viii) Normal clotting time of Blood is _____ minutes at 37°C.

(ix) K.F. apparatus is used for the determination of _____.

(x) Type I and Type II glasses have a _____ hydrolytic resistance.

2. Choose the correct answer (any *five*) : (5 × 1 = 5)

(i) Aspirin has interaction with Indomethacin as

- (a) Reduced absorption of Indomethacin
- (b) Reduced elimination of Indomethacin
- (c) Reduced metabolism of Indomethacin
- (d) Reduced excretion of Indomethacin

(ii) Area designed for preparation of sterile products

- (a) A Clean room
- (b) Formulary
- (c) In Patient Pharmacy

(iii) A Hospital Pharmacy that services patients who have left the hospital or who are visiting doctors in a hospital outpatient clinic

- (a) Outpatient Pharmacy
- (b) Pharmacy satellite
- (c) Centre pharmacy

(iv) "Sinusitis" is medical word which means

- (a) Inflammation of sinus
- (b) Falling of hair
- (c) Pain at Joint

- (v) "Si Opus sit" in Latin means
- (a) When required
 - (b) With as much
 - (c) As often as necessary
- (vi) "Hora Somni" in latin means
- (a) To night
 - (b) At bedtime
 - (c) Every night
- (vii) Flame Photometer is used for detection of
- (a) Ca^{2+} , Mg^{2+} , Na^{+} and K^{+}
 - (b) Fe, Co, Ni
 - (c) Mn^{2+} , and Zn^{2+} .
- (viii) Iron suppliments are given in
- (a) Diarrhoea (b) Anaemia
 - (c) Anhritis (d) Insomnia
- (ix) Drug dependence is broadly classified as
- (a) Physical dependence
 - (b) Phychic dependence
 - (c) Physical and Phychic dependence
 - (d) Tolerance
- (x) Which is not a components of Computer?
- (a) CPU
 - (b) Input device and output device
 - (c) Auxillary memory
 - (d) Hardware

3. Short Answer Questions (any *four*) : (4 × 5 = 20)

- (a) Give the composition and function of Pharmacy and Therapeutic committee.
- (b) Give the location, layout design, space requirement and functions of hospital drug store.

- (c) What are various types of surgical dressings used in hospitals? Explain in details.
- (d) Discuss drug drug interaction of Vitamine D, Phenytoin and Phenobarbital.
- (e) Define the term “Patient compliance” and “patient non-compliance”.
- (f) Discuss the significance of W.B.C. differential analysis.
- (g) Translate the following Latin terms into English and write their full form :
 - (i) Ung
 - (ii) p.p.a
 - (iii) p.c
 - (iv) dol.urg
 - (v) h.s
 - (vi) m.s.a
- (h) Give brief reason.
 - (i) Rifampicin is given on empty stomach. Why?
 - (ii) Is tetracycline is taken with Milk?

4. Long Answer Questions (any *two*) : (2 × 10 = 20)

- (a) Discuss the various qualities of a clinical pharmacist. Discuss various steps involved in patient counseling.
- (b) Define Bioavailability. Discuss various factors affecting bioavailability of drugs.
- (c) Discuss the pathophysiology of the following Diseases (i) Tuberculosis (ii) Hepatitis.
- (d) Write notes on (i) Drug Dependence (ii) Adverse drug reaction.
- (e) Define Hospitals. Classify various types of Hospitals. Discuss various functions of Hospital Pharmacy.
- (f) Define the term Sterilization. Discuss various mechanical methods used for sterilization.