Pharmaceutics - VI

Vth Semester

Mid - Semester Exam - 2018

Q.1. (a) Radio-active half-life

Ans → $t_{1/2} = \frac{0.693}{\lambda}$

Half-life is defined as the time required for any radio-active isotope to decay to one half of the original value at any given point of time.

(b) PTC

Ans → Pharmacy and Therapeutic Committee.

(C) Hathi Committee

Ans → It is an important landmark in the development of the Indian pharmaceutical Industry.

(d) Bioequivalence

Ans → Bioequivalence is the similarity of two drugs that share the same desired outcome for patients. Bioequivalence in pharmacy means two drugs release the active ingredient into the bloodstream at the same amount and same rate.

(e) F.S.N and H.M.L → Fast, Slow, Non-Moving.
High, Medium, Light materials.

Q.2. Differentiate between in-patient and out patient dispensing?

Ans → out-patient refers to patient not occupying beds in a hospital or in clinics.

→ Out patient department — O.P.D.

→ In-patient refers to patient occupying beds in a hospital or in clinics

Q.3. Write down the functions of PTC in drug safety?

Ans → Guidelines issued by the PTC to ensure adequate safety—

① The pharmacists should be aware of narcotic and Psychotropic drugs.

Abhilasha.

(2) Is there proper regulations of dangerous drugs? (2)
(3) Is there any physical verification of drugs expired?
(4) Is there manufacturing? If yes, does it follow GMP?
(5) Does the hospital have a drug formulary? If so, is it periodically revised?

Q.4. Write down the sterilization equipments used in pharmacy?

Ans - (1) physical methods
(a) Dry heat sterilization.
(b) moist heat sterilization.
(c) Sterilization by radiation.

(2) Chemical methods.
(a) Gaseous Sterilization.
(b) Sterilization with disinfectants.

(3) Mechanical methods.
Sterilization by filtration.

Q.5. What are the different storage conditions for drug storage?

Ans - Cold Storage → 2°C - 8°C
Cool Temperature → 8°C - 25°C
Room Temperature RT → Temp. prevailing in working area.
Warm → 30°C - 40°C.
Excessive Heat → Above 40°C.

Abhilasha.