

University of Mumbai
Semester Theory Examination Second Half 2020
Year/Semester: Final Year B.Pharm. (Sem VII)
Subject: Preformulation Studies
Subject Code: BPH_E_711_T

Multiple Choice Question (MCQ's)

1. Hot stage microscopy is conjugated with ----- method to facilitate differential of endotherm for polymeric transition

- a. PXRD
- b. DSC
- c. SEM
- d. HSM

2. In which of the following phases of clinical trials healthy normal human volunteers participate?

- a. Phase I
- b. Phase II
- c. Phase III
- d. Phase IV

3. For weak acid decreased in pH results in _____ Solubility

- a. Decreased
- b. Increased
- c. Unchanged
- d. ionization

4. Dissolution of tablets depend on

- a. Solubility of drug
- b. shape of tablet
- c. Colour of tablet
- d. Flavour of tablet

5. Stability is

- a. Ability to maintain one's balance in static situation without mechanical devices
- b. Ability to maintain one's balance dynamic situation without mechanical devices

- c. Ability to maintain one's balance in static and dynamic situation without mechanical devices
- d. Ability to maintain one's balance in static and dynamic situation with mechanical devices

6. In _____ stability changes the physical appearance of solid dosage forms

- a. Physical Stability
- b. chemical Stability
- c. Solution Stability
- d. toxicological Stability

7. Which of the following solvent is most suitable for determining partition coefficient

- a. Liquid paraffin
- b. Butanol
- c. Heptane
- d. Octanol

8. Which is the true order of solubility

- a. Amorphous; metastable; stable
- b. Metastable; amorphous; Stable
- c. Stable; amorphous; metastable
- d. Stable; metastable; amorphous

9. The value of Carr's index for excellent flow of powder is

- a. 15%
- b. 18%
- c. 25 %
- d 30 %

10. Hydrophilic polymer will

- a. Decreases the dissolution
- b. Increases the dissolution
- c. Neither decreased or increased
- d. Initially decreased and then increased