

Pharma Unit



Pharmaceutics Top 30 IMP Short (1M) Questions with Answers **According To New Syllabus ER 2020-2021**

1. Define pharmacopeia?

Ans. Pharmacopoeia is the standard book which helps in formulating the drugs. The book is published in almost every country under the authority of its own government.

Pharmacopoeia is derived from Greek word Pharmakon – Drugs, Copoeia - Means to make

2. Who is father of Indian pharmacy?

Ans. The father of Indian pharmacy Mahadeva Lal shroff.

3. Define packaging?

Ans. Packaging is a process in which the pharmaceutical products are suitably and safely placed so that they can retain their therapeutic effectiveness until they are consumed by patients. Pharmaceutical package is an important part of pharmaceutical product, it is defined as a device which contains the pharmaceutical product, and the container may or may not be in direct contact with the product.

4. Write composition of glass?

Ans. Glass is made up of silica (59 to 80%), calcium oxide (5 to 12%), sodium oxide (12 to 17%), aluminium oxide (0.5 to 23%), barium oxide, boric oxide, potassium oxide and magnesium oxide and Cullet.

5. Define pharmaceutical aids?

Ans. Pharmaceutical aids can be defined as the substance which have no or little pharmacological effect but are essential to be used in the preparation of pharmaceutical dosage.

Examples of pharmaceutical aids are organoleptic agents such as colouring agent, flavouring agent, sweetening agent, preservatives, acidifiers, antioxidants, binders, buffering agents, suspending agents, etc.

6. Define preservatives?

Ans. A preservative is a natural or synthetic substance that is added to pharmaceutical products to prevent decomposition by microbial growth or by undesirable chemical changes. Preservatives inhibit the growth of bacteria, yeast and molds that can cause disease.

7. Define size reduction?

Ans. Size reduction is defined as a process of reducing large solid unit masses into small unit masses, coarse particles or fine particles

Comminution, Grinding or Milling is also used to describe size reduction

8. Define size separation?

Ans. Size separation is defined as a pharmaceutical process by which different sizes of particles are separated from a mixture.

9. Define mixing?

Ans. Mixing is the process in which two or more ingredient are treated so that every particle of one ingredient lies as near as possible to the particle of another ingredient

10. Define filtration?

Ans. Filtration is defined as the process of removal of solids or suspended particles from a liquid or a gas by passing through a porous medium in which liquid passes but solid get entrapped

11. Define drying?

Ans. Drying is defined as a final removal of liquid from solid by vaporization with the application of heat

12. Define extraction?

Ans. Extraction is the process of removal of active ingredients from the crude drugs of plant or animal origin by using a suitable solvent

13. Write principle of hammer mill?

Ans. It operates on the principle of impact i.e., the size of material is reduced when the material is hit by a moving object at high speed.

14. Write principle of ball mill?

Ans. Ball mill works on the principle of combined impact and attrition. If material is hit by a continuously moving ball then impact mechanism occurs, and if material is present between the two balls the attrition mechanism will occur.

15. Write principle of cyclone separator?

Ans. In cyclone separator centrifugal force is used to separate solids from fluid, the separation depends upon particle size and density of particles. Cyclone separator is used to separate all types of particles depending on the fluid velocity, otherwise it can be also used to separate only coarse particles while fine particles are carried out with the fluid.

16. Write principle of double cone blender?

Ans. Double cone blender works on the principle of tumbling and shear action i.e., the mixing of powder takes place due to tumbling action (Due to rotation of vessel) and shear action with the blades

17. Define tablet?

Ans. Tablet is defined as a compressed unit solid dosage form containing medicaments with or without excipients

18. Define capsule?

Ans. Capsules are solid dosage forms in which the drug substances are enclosed in a water-soluble shell or an envelope.

19. Define syrup?

Ans. Syrup is a highly concentrated aqueous solution of sugar which contains 66.7% w/w of sugar

20. Define elixir?

Ans. Elixirs are clear, flavoured, sweetened hydroalcoholic liquid preparations for oral administration in which alcohol is present in a concentration of 40%

21. Define emulsion?

Ans. An emulsion is a biphasic liquid dosage form in which one liquid is dispersed throughout another liquid in the form of small droplets and the system is stabilized by a third substance called an emulsifying agent. In an emulsion one phase is called the dispersed phase and another phase is called the continuous phase

22. Define suspension?

Ans. Suspensions are biphasic liquid dosage forms in which finely divided solid medicaments are dispersed in a liquid vehicle, the solid particles act as the dispersed phase and the liquid vehicle acts as the continuous phase. The size of particles ranges from 0.5 to 5 μm .

23. Define Dry powder for reconstitution?

Ans. - Dry powder for reconstitution are the preparations consisting of mixtures of dry powders of various sizes that require the addition of water for reconstitution at the time of dispensing.

24. Define Ointment?

Ans. Ointments are defined as the topical or semisolid preparations intended for external application to the skin that provide emollient, protective and therapeutic action. Ointments may or may not contain medicaments

25. Define creams?

Ans. Creams are defined as homogeneous semisolid topical preparations consisting of an emulsion of either oil in water or water in oil type whose consistency varies with the amount of oil and water used

26. Define liniment?

Ans. Liniments are medicated topical preparations for application to the skin to reduce pain, stiffness from sore muscles. Liniment is generally applied to the skin with friction

27. Define lotion?

Ans. Lotion is defined as either a liquid or semisolid topical preparation with low viscosity that is meant for external application to the skin. Lotion is applied to the skin without friction

28. Define suppositories?

Ans. Suppositories are medicated solid dosage forms intended for insertion into the rectum where they melt, soften or dissolve to exert a localised or systemic effect.

29. Define pessaries?

Ans. Pessaries are medicated solid dosage forms intended for insertion into the vagina where they melt or dissolve to exert a local or systemic effect

30. Define novel drug delivery system?

Ans. Novel drug delivery system refers to the approaches, formulations, technologies and systems for transporting of pharmaceutical compounds in a body as needed to safely achieve its desired therapeutic effect.



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