

Report on Webinar On Pharmaceutical Dosage Forms Held on

13.05.2020

Date of Event	13.05.2020
Name and Type of Event	Webinar On Pharmaceutical Dosage Forms_Non-academic/Academic
Conducted by	School of Pharmacy
No. Of Participant	50

An Online Webinar conducted by School of Pharmacy, ARKA JAIN University. Faculties and students from different Pharmacy institutions have attended the Webinar. Prof.& Principal (Dr). Dulal Krishna Tripathi, Rungta College of Pharmaceutical Science & Research, Bhilai, Chhattisgarh is the resource person to share his knowledge in this topic on zoom application. A pharmaceutical drug, also called a medication or medicine, is a chemical substance which is used to cure, prevent, diagnose or treat a specific disease to promote health of human beings. In olden days drugs were obtained through extraction process from crude medicinal plants, but now a day's process has been changed into organic synthesis. Pharmaceutical drugs may be used for a limited duration, or on a regular basis for severe chronic disorders. 2.1 Dosage form Drugs in the pure form are rarely administered. Drugs can be modified into suitable formulations with the help of formulation additives or pharmaceutical excipient which are called dosage forms. Every dosage form is a mixed

combination of the drug and other non-drug components. The formulation additives are used to provide a particular dosage form to the formulation, which is beneficial to increase its stability and also to increase its acceptability to provide more sophistication to the preparation. The manner in which drug substance are presented in the market (e.g- solids, liquids or semi solids) Need for convert drug to dosage forms: 1-Accurate dose. 2-Protection e.g. coated tablets, sealed ampoules. 3-Protection from gastric juice. 4-Masking taste and odor (to make palatable). 5-Placement of drugs within body tissues. 6-Sustained release medication. 7-Controlled release medication. 8-Optimal drug action. 9-Insertion of drugs into body cavities (rectal, vaginal) 10-Use of desired vehicle for insoluble drugs. Desirable properties of dosage form are • Convenient to handle, use and store • Stable during storage and use • Withstand mechanical shock during transport • Flexibility in different drug strength • Provide expected therapeutic effect • Extent, drug release, onset, intensity, duration of action predictable • Economical and elegant. The session ended with vote of thanks to Dr. Tripathi and felicitated with token of appreciation.

WEBINAR

**PHARMACEUTICAL
DOSAGE FORMS**

Organised By
School of Pharmacy

JGI
**ARKA JAIN
University**
Jharkhand (Jamtara)

Prof. & Principal (Dr.) Dulal Krishna Tripathi
Rangra College of Pharmacy, Post Graduate & Research
Block, Cherdighata

13th May | 11:00 AM
Venue: ZOOM App