

## **PHARMACEUTICS -1 (BP 103 T)**

UNIT: 1 PHARMACOPOEIAS:

CLASS:5

### **TOPIC: UNITED STATE PHARMACOPOEIA (USP)**

- 1<sup>st</sup> edition of USP was published on 15th Dec. 1820 in both Latin & English
- From 1820 to 1942 it was published at 10 years intervals
- From 1942 to 2000 it was published at 05 years intervals
- From 2002 it was published annually
- First National Formulary of the united state appeared in 1888
- USP21-NF16 has 08 supplements
- First appeared in January 1985 & last in November 1988
- USP22-NF17, 1990 is the 3<sup>rd</sup> revision that consolidates USP & NF into a single volume  
Electronic version of USP-NF on floppy disks was introduced in 1992
- USP23-NF18, was published in Mumbai at the end of 1994 USP23 has 10 supplements.
- 1<sup>st</sup> supplement was published in January 1995 & Last in May 1999.
- USP24-NF19, appeared from first January 2000
- USP30-NF25 appeared from May 2007.
- It contains scientific standards for drugs, dietary substances, biological products & excipients used in dosage forms.
- It contains 4,100 monographs and 200 general chapters.
- It has been printed in 03 volume set.
- Volume I contains general chapters, while Volume II, III contains monographs.
- 1<sup>st</sup> supplement to USP30-NF25, appeared from August 2007 & 2<sup>nd</sup> supplement from November 2007 which was official from May 2008.
- From 2006, Spanish edition of USP is also being published. United States Pharmacopoeia 30 – National Formulary 25: New heavier paper stock
- Complete table of contents and index in each volume
- Special 'Using the New USP-NF Print' tutorial CD
- Convenient slipcase for easy access and storage (English edition only)

**United States Pharmacopoeia 31 - National Formulary 26:**

- It is a single-volume combination of two official compendia, the United States Pharmacopeia (USP) and the National Formulary (NF).
- Monographs for drug substances and preparations are featured in the USP, with monographs for dietary supplements and ingredients appearing in a separate section of the USP
- Excipients monographs are included in the NF 36

**United States Pharmacopoeia 32 - National Formulary 27:**

- More than 4,200 monographs
- Includes over 200 general chapters, covering general tests and assays
- Displays helpful guides and charts that make it easy to find focus specific information
- Includes information on emerging areas of science and medicine
- Helps ensure compliance with official standards
- Enables validation of test results against proven benchmarks
- Creates in-house standards for operating procedures and specifications
- Expedites new product development and approvals

**United States Pharmacopoeia 33 - National Formulary 28:**

- More than 4,400 monographs
- Over 200 general chapters covering general tests and assays
- A new, easy-to-read format and monograph layout
- Helpful guides and charts that make it easy to find focus-specific information
- Ensures compliance with official standards
- Establishes in-house standard operating procedures and specifications
- Facilitates new product development and approval

**United States Pharmacopoeia 34 - National Formulary 29:**

- Published in 2011
- USP 34-NF 29 features more than 4,500 monographs for drug substances, dosage forms, excipients, biologics, dietary supplements, and other therapeutics.
- USP 34-NF 29 also offers harmonized material and more than 230 General Chapters with current guidelines for the full range of laboratory tests and established processes for validating methods.

**United States Pharmacopoeia 35 - National Formulary 30:**

USP-NF is a combination of two official compendia: the 'United States Pharmacopeia (USP)' and the 'National Formulary (NF)' and is officially applicable from 1 May, 2012 to 30 April, 2013.

**United States Pharmacopoeia 41 - National Formulary 36:**

IMPORTANT QUESTIONS

1. Describe the importance and significance of USP in pharmacy ?
2. Enlist various Pharmacopoeias?

RCP