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**Diploma in Pharmacy 1st Year
Pharmaceutics
Important Questions
Chapter 1 : History of Pharmacy Profession and Pharmacopoeia**

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Chapter 1

History of Pharmacy Profession and Pharmacopoeia

IMPORTANT Questions

Q1. Write note on Pharmacy as a career.

Ans. Pharmacy as a Career Pharmacist

- Hospital Pharmacist
- Community Pharmacist
- Clinical Pharmacist

Industries Production

- Quality Control
- Quality Assurance
- Research & Development
- Marketing Representative (MR)

Hospital

- Medical Writer
- Medical Coder
- Medical Adviser
- Medical Claim Association

Academic Lectures

- ✚ Assent Professor
- ✚ Associated Professor
- ✚ Professor

Other

- ◆ Bioinformatics
- ◆ Clinical research coordinator
- ◆ Pharmacovigilance

Q2. Describe the History of pharmacy with respect to pharmacy education and Pharmaceutics Industries.

Ans. **History of pharmacy with respect to Pharmacy education**

- 1860 : 1 st Pharmacy course started in Madhras medical college
- 1937 : 1 st Degree level course in pharmacy started at Banaras Hindu University (BHU) (3 year degree course)
- 1940 : 1 year Master course (M Pharma) started at Banaras Hindu University (BHU)
- 1990 : B.V. Patel PERD Center (Pharmaceutics Education & Research Development Centre) established at & The director was H.L Bhalla
- 1991 : National Institute of pharmaceutical Education and Research (NIPER) was established at Mohali With Dr. C.L. Kaul as the first Director

Courses

- D – Pharm (Diploma in pharmacy)
- B – Pharm (Bachelor of Pharmacy)
- M. Pharm (Master of Pharmacy)
- MS Pharm (Master of Science in Pharmacy)
- M – Tech (Master of Technology in Pharmacy)
- Pharm. D (Doctor of Pharmacy)
- PhD (Doctor of Philosophy in Pharmacy)

History of pharmacy with respect to Pharmaceuticals Industries

- ◆ 19th Century Britishers used to import Allopathic Medicines from Germany & U.K
- ◆ 1901 Establish BCPW (Bengal Chemical and Pharmaceutical Works) in Calcutta by Acharya P.C Roy
- ◆ 1904 – 07 Establish four Research institutes Haffkins Institute King Institute Central research Institute Pasteur Institute
- ◆ 1930 First time BCPW started Producing Tetanus
- ◆ 1939 - 13% Medical requirement met by India rest by imports During Independence
- ◆ { 1947 } Production of Galenicals , Simple Formulation & Few vaccines Post Independence
- ◆ { 1948 } Govt. of India launched a five year plan
- ◆ 1954 Establish “ Hindustan Antibiotic LTD “

Q3. Define Pharmacopoeia. Describe History of Indian Pharmacopoeia in detail.

Ans. Pharmacopoeia :-

The term pharmacopoeia comes from Greek Word **Pharmakon** means **Drug**
Poiein means **Make**

It can be defined as any recipe or formula that standard required for making or preparing a drug It is also known as Compendia

Indian Pharmacopoeia (I.P.) :-

- Indian Pharmacopoeia is an official document meant for overall quality control and assurance of pharmaceutical product marketed in India by way of contributing to their safety & affordability.
- The Indian Pharmacopoeia is published by the Indian Pharmacopoeia Commission (IPC) on the behalf of the Ministry of Health and Family Welfare, Government of India.
- The Indian Pharmacopoeia is being produced to fulfil the requirement in the Drug & Cosmetics Rules, 1945 of standard of drugs produced in India

Editions of Indian Pharmacopoeia

S.No.of Edition	Year of Publication	Year of Addendum Released
First	1955	1960
Second	1966	1975
Third	1985	1989,1991
Fourth	1996	2000,2002,2005
Fifth	2007	2008
Sixth	2010	2012
Seventh	2014	2015
Eighth	2018	2019

Q4. Define B.P and U.S.P.

Ans. British Pharmacopoeia (B.P) :-

The british pharmacopoeia is published annually & comprises of the standard required for maintaining the quality of medical substance of United Kingdom (U.K).

United State Pharmacopoeia (U.S.P) :-

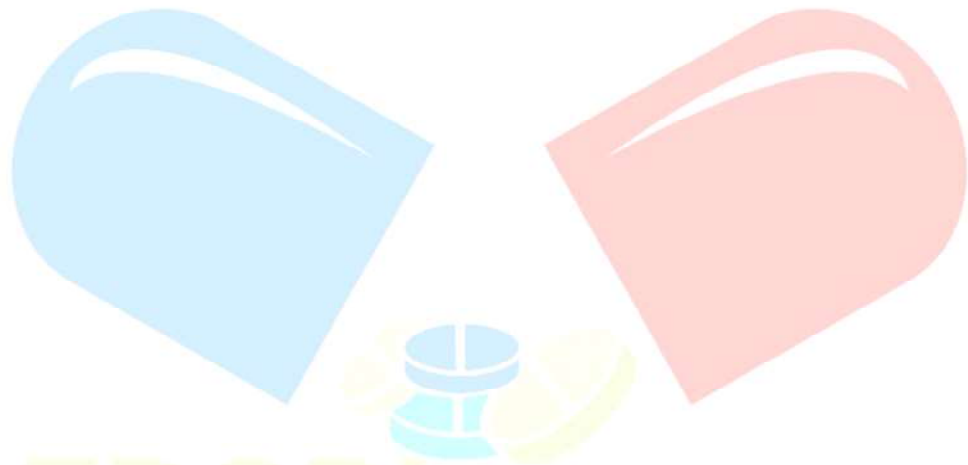
The united state pharmacopoeia is a pharmacopoeia for the united states published annually by the United States Pharmacopoeial Convention.

Q5. Write Brief note on Martindale.

Ans. Extra Pharmacopoeia [Martindale]

- A Pharmacist, William Martindale in 1883 edited, compiled, and published the extra pharmacopoeia to provide updated information regarding drugs as well as galenicals to pharmacist & physicians.
- Pharmacopoeia [I.P , B.P , etc] does not contain & explanatory notes but only large amount of information .
- One should be aware of journal notices & appendics Maintain in pharmacopoeia.
- The extra Pharmacopoeia was included in B.P & four edition of martindale published in 3 years it has been 37 times & contain almost all the updated information about drugs & medicines

Edition	Year
1 st	1933
23rd	1955
24th	1958
25th	1967
26th	1972
40th	2011



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