

लोक सेवा आयोग
नेपाल स्वास्थ्य सेवा, फार्मसी समूह, एघारौं (११) तहको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको
पाठ्यक्रम

Paper II: - Technical Subject

1. Introduction

- 1.1 Development of pharmacy profession and institutions in Nepal
- 1.2 Implementation of essential drug concept and standard treatment schedules in the context of open market policy
- 1.3 Present status of Pharmacy Human Resources

2. Pharmaceutical processing and processes

- 2.1 Modern drug delivery systems
- 2.2 Stability of pharmaceutical formulation with special reference to additives
- 2.3 Pharmaceutical biotechnology

3. Total quality management (TQM) and quality assurance (QA)

- 3.1 Philosophy of TQM with special reference to pharmaceutical industries
- 3.2 Quality assurance in pharmaceutical industries

4. Good Manufacturing Practice as recommended by World Health Organization (WHO-GMP)

- 4.1 Philosophy and essential elements
- 4.2 Good practices in production and quality control
- 4.3 Production of sterile, biological and herbal drugs
- 4.4 Production of active pharmaceutical ingredients
- 4.5 Role of Inspector in GMP inspection
- 4.6 Comparison of WHO-GMP with Codes on Manufacturing of Drugs

5. Role of pharmacists in healthcare system

- 5.1 Pharmaceutical care and clinical pharmacy
- 5.2 Community pharmacy
- 5.3 Drug information

6. Drug Supply management and rational use of drugs

- 6.1 Selection, quantification, procurement, storage and distribution
- 6.2 Drug financing scheme/ community drug programme
- 6.3 Health insurance
- 6.4 National and hospital formularies, drug and therapeutic committee
- 6.5 Status of antibiotic use and Antimicrobial Resistance
- 6.6 Role of dispensers in rational use of drugs

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7. Quality control of drugs

- 7.1 Specifications
- 7.2 Pharmacopoeia
- 7.3 Quality parameters of pharmaceutical products and raw materials
- 7.4 Laboratory quality management systems
- 7.5 Accreditation and proficiency testing
- 7.6 Reference standards
- 7.7 Quality control of biological products

8. Drug regulation

- 8.1 Assuring availability of drugs
- 8.2 Implementation of drug policy in relation to Drug Act
- 8.3 Regulatory measures to overcome evolving drug use problems including narcotic/psychotropic drugs.
- 8.4 Price control mechanisms
- 8.5 Strategies for regulating traditional and herbal drugs.
- 8.6 Pharmacoepidemiology & Pharmacovigilance.
- 8.7 Clinical trial and role of Nepal Health Research Council (NHRC)