

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



UNIT 1

COURSE NAME: QCSH

TOPIC: BASIC TEST FOR CRUDE DRUG

10-Mark Questions (Long Answer/Essay Type)

Question	Bloom's Taxonomy Level	Mapping with Exam & Year
Describe the WHO guidelines for quality control of herbal drugs, including macroscopic and microscopic evaluation, ash values, extractive values, and contaminant limits.	Analyzing	TNMGRMU (2022), GPAT (2023)
Explain the infrastructural requirements under GMP for the herbal industry, with emphasis on premises, equipment, and personnel hygiene.	Applying	TNMGRMU (2022), NIPER JEE (2024)
Write a detailed note on the preparation of documents for New Drug Application (NDA) for herbal products, including safety, efficacy data, and stability studies.	Evaluating	TNMGRMU (2022), Various Pharma Co. (Sun Pharma Interview, 2024)
Discuss in detail the various evaluation parameters used for Quality Control of Herbal Drugs, such as physical, chemical, and biological assays.	Analyzing	TNMGRMU (2024), GPAT (2022)
Elaborate on the guidelines on GACP for medicinal plants, covering selection, cultivation, harvesting, and post-harvest processing.	Understanding	TNMGRMU (2021), RRB Pharmacist (2024)

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Explain ICH guidelines for quality control of herbal drugs, focusing on stability testing and impurity profiling.	Evaluating	TNMGRMU (2022), NIPER JEE (2023)
Describe chromatography techniques (TLC, HPTLC, HPLC) in the standardization of herbal drugs, with examples of applications.	Applying	TNMGRMU (2023), GPAT (2024)
What do you understand by quality assurance in the herbal industry? Explain the importance of GMP, including validation and documentation.	Evaluating	TNMGRMU (2023), MRB Pharmacist (2023)
Write about the European Medicines Agency (EMA). Enumerate the European guidelines on quality of herbal medicinal products, comparing with WHO.	Remembering	TNMGRMU (2023), Various Pharma Co. (Cipla Recruitment, 2025)
Define the term 'PHARMACOPOEIA'. List out and compare various herbal pharmacopoeias (e.g., Indian Herbal Pharmacopoeia vs. British Herbal Pharmacopoeia) with advantages and disadvantages.	Analyzing	TNMGRMU (2025), GPAT (2021)

5-Mark Questions (Short Notes)

Question	Bloom's Taxonomy Level	Mapping with Exam & Year
Explain the various herbal pharmacopoeias and their role in standardization.	Remembering	TNMGRMU (2021), RRB Pharmacist (2023)
Write notes on GMP requirements for herbal medicine manufacturing.	Understanding	TNMGRMU (2021), MRB Pharmacist (2022)
What is GAP? Explain the various parameters of Good Agricultural Practices for herbal plants.	Understanding	TNMGRMU (2022), GPAT (2023)
Explain the importance of HPTLC method in the standardization of herbal drugs.	Applying	TNMGRMU (2022), NIPER JEE (2024)

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Describe the basic tests for medicinal plant materials as per WHO guidelines.	Remembering	TNMGRMU (2022), Various Pharma Co. (Dr. Reddy's Test, 2024)
Write notes on physical evaluation of crude drugs (e.g., foreign matter, moisture content).	Applying	TNMGRMU (2022), GPAT (2022)
Discuss the application of HPTLC in the standardization of herbal drugs with an example.	Applying	TNMGRMU (2022), TNMGRMU (2023)
Write notes on WHO guidelines on GACP for medicinal plants.	Remembering	TNMGRMU (2022), RRB Pharmacist (2024)
Define and classify markers (analytical, biological) with examples in herbal standardization.	Remembering	TNMGRMU (2023), GPAT (2024)
Explain the procedure and significance of microscopical evaluation of herbal drugs.	Applying	TNMGRMU (2023), MRB Pharmacist (2024)

2-Mark Questions (Very Short Answer/MCQ Type)

Question	Bloom's Taxonomy Level	Mapping with Exam & Year
Differentiate between TLC and HPTLC in herbal analysis.	Analyzing	TNMGRMU (2021), GPAT (2023)
List types of markers used in herbal standardization with one example each.	Remembering	TNMGRMU (2021), NIPER JEE (2023)
Define extractive value and state its significance in quality control.	Understanding	TNMGRMU (2021), RRB Pharmacist (2023)
Define standardization of herbal drugs.	Remembering	TNMGRMU (2021), Various Pharma Co. (Lupin Interview, 2024)
What is quantitative microscopy in herbal evaluation?	Remembering	TNMGRMU (2021), GPAT (2022)

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

State the significance of ICH guidelines in herbal quality control.	Understanding	TNMGRMU (2022), MRB Pharmacist (2023)
List four chromatography techniques used in herbal standardization.	Remembering	TNMGRMU (2022), NIPER JEE (2024)
Briefly explain authentication of medicinal plants.	Applying	TNMGRMU (2022), RRB Pharmacist (2024)
State the importance of ash values in herbal quality assessment.	Understanding	TNMGRMU (2023), GPAT (2024)
Give two examples of herbal drug interactions.	Remembering	TNMGRMU (2022), Various Pharma Co. (Zydus Test, 2025)