

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR SCREENING TEST FOR THE POST OF ANALYST (RASASHASTRA) (AYURVEDA DEPARTMENT)**

1. Introduction of methods of Analysis, Toxicity and Validation of classical and proprietary Ayurvedic formulations.
2. Introduction of New dosage forms.
3. Introduction to advance instruments of analysis such as XRD, XRF, SEM, E-Dax, ICP analysis, Chromatography, TLC, HPTLC etc..
4. Concept of Nano technology and its relevance to medicinal preparations.
5. Introduction to Pharmacopoeia and Formulary with spl. reference to API & AFI.
6. Data on medicinal plants published by CCRAS.
7. Concept of shodhana, Marana & Amritikarana of Rasadravyas & fundamental principles of Rasashastra.
8. Preparation of different dosage forms and their principles.
9. Pharmacopoeial standards of raw & prepared drugs.
10. Procedures for :
  - Metals & Minerals:
    - Physical form
    - Crystal forms and Amorphous
    - Hardness on Moh's scale
    - Brittleness, Cleavage and Streak test
    - Lusture
11. Procedures for plant materials
  - Macro-Micro examinations
  - Organoleptic
  - Foreign matter
  - Microbial load
  - Moisture content
  - Ash value
  - Total water, Alcohol solubility and their %
  - Specific gravity
  - Extractive values (Water and Alc.)
  - R.I
  - TLC,
  - Optical density
  - Aflatoxins

- Pesticides residuals
- Limit tests for Heavy metals
- pH
- Phyto-chemical constituents

12. Solid dosage forms:

Rasaoushadhis

- Bhasmas and Pistis evaluation
- Determination of Particle size
- Limit tests for heavy metals
- Acid value

13. Kashtoushadhis, Tablets, Liquids and other dosage forms of Ayurveda and their analytical parameters in accordance with CCRAS monographs.

**Pattern of Question Papers:**

1. Objective Type Paper
2. Maximum Marks : 100
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All Questions carry equal marks
6. There will be Negative Marking

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