

**BHARATI VIDYAPEETH**  
**(DEEMED TO BE UNIVERSITY), PUNE, INDIA**  
**PhD Entrance Test – 2020**  
**SECTION-II: Dravyaguna Vigyan - 50 Marks**  
**PART-A**

1. Importance of Namagyana of Dravya, origin of Namarupagyana of Aushadhi in Veda, study on etymological derivation of various names and synonyms of Aushadhi.
2. Rupagyana in relation with the Aushadha.
3. Basonymsa and synonyms of dravya [ Aushadha / Aahar dravya ]mentioned in Vedic compendia, Brihatryee, Bhavaprakasha and Rajanighantu.
4. Distinguish morphological characteristic features of medicinal plants listed in Ayurvedic Pharmacopoeia of India.
5. Pharmacognostical study of different parts of the plant with reference to Macroscopic and Microscopic study and qualitative and quantitative analysis like foreign matter, extractive, ash value, acid insoluble ash and TLC separation.
6. Methods of Drug standardization and quality control.
7. Knowledge of advances in cultivations of medicinal plants
8. Fundamental principles of drug action both Ayurvedic and modern perspective
9. Detailed study of rasa-guna- virya- vipaka-prabhava and karma with their applied aspects, based on views of commentators like Chakrapanidatta, Dalhana, Arunadatta, Hemadri and Indu.
10. Comprehensive study of karma mentioned in Brihatrayee & Laghutrayee
11. Detailed study of Guna-Karma with respect to action on dosha & various srotasa (Properties and Actions)along with current research review with API and Bhavaprakash Nighantu.

## **PART-B**

12. Bhaishjya Prayog Siddhant (Principles of drug administration))- Bhaishajya Marga (routes of drug administration), Vividha Kalpana, Matra (Dosage), Anupana (Vehicle), Aushadha grahankal, (Time of drug administration ) Sevankalavadhi (duration of drug administration), Pathyapathya (Do's /Dont's /Contraindication.)
  13. Samyoga- Virodh Sidhant.
  14. Amayika prayoga of important plants mentioned in Brihatrayee, Chakradutta, Yoga ratnakar and Bhavaprakasha .
  15. Knowledge about Pharmaco- vigilance (ADR) in Ayurveda and conventional system of medicine.
  16. Knowledge of clinical pharmacology and stages of clinical drug research as per GCP guide lines.
  17. Basic principles of yogavijnana( formulations)
  18. Detailed study Aushadha yoga of Sharangadhara samhita and Ayurvedic Formulary of India(AFI).
  19. General awareness about Neutraceuticals, Cosmoceuticals, food addictives, Excipients etc.
  20. Knowledge about plant extracts, colors, flavors and preservatives.
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