

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

PART A

1. History and development of the science of eye disorders. Superiority of eye (Netra) among all the sense organs.
2. Panchabhautikatva of Netra, classification as per dosha, matruja and pitruja factors and their practical importance. Descriptive knowledge of sharir rachana of netra, Kriya sharir of netra. Current trends and contemporary developments in anatomical and physiological considerations of eyes.
3. Examination of eye.
4. Common etiologies, pathogenesis, prodromal symptoms, general treatment, Netra kriya kalpa procedures.
5. Study of essential modern drugs, anaesthetic agents of diagnostic and surgical importance.
6. Ethical considerations in clinical and research in biomedical practice. Knowledge of rules, regulations and medico legal aspects of ophthalmic practice, eye donation, eye banking and grafting.
7. Descriptive knowledge of sandhi, vartma, shukla, krshna, dristi, sarvagata, and exogenous eye diseases available in Ayurvedic classics.
8. Study of ocular trauma (nayanbhigata) its, management and prevention. Knowledge of Preventive and community ophthalmology along with national programme for control of blindness & role Ayurveda in it.
9. Congenital, developmental, traumatic, neoplastic and degenerative diseases of netra.
10. Knowledge and application of current diagnostic and therapeutic equipments.
11. Refractive errors along with defects of accommodation.

12. Neurological and systemic disorders affecting the eyes and their management.
13. Retinal diseases & their management.
14. Up-to-date practical knowledge of applied and available surgical procedures indicated in different eye disorders.
15. Details of surgical procedures like chedana, bhedana, lekhana, vyadhana and Parasurgical procedures like agnikarma, ksharakarma & raktamokshana followed in eye diseases.
16. Important Ayurvedic drugs/formulations used in ophthalmology.

Part B

1. Examination of the ear, nose, throat and shira patient.
2. Common etiology of ear, nose, throat and shiras disorders, their pathogenesis, prodromal symptoms, classification clinical features and general treatment.
3. Detailed knowledge of upto date diagnostic and therapeutic equipments (Yantra & Shastra) used for ENT and Shir disorders.
4. Study of essential drugs, anaesthetic agents of diagnostic and surgical importance.
5. Ear, Nose, throat, disorders according to Ayurveda and modern science.
6. Shiras & Kapala (cranial vault) disorders;
7. Descriptive knowledge of instruments available till today to diagnose ear – nose – throat – brain disorders.
8. Knowledge of agropaharaniya.

9. Practical knowledge of updated surgical procedures in ear, nose and throat disorders.
10. Descriptive Knowledge of up-to-date available modern instruments & their application for examination, diagnosis and management of oral, periodontial & dental diseases.
11. Examination of oral cavity, periodontia and teeth.
12. Danta, Danta Mul Gata Rog detailed in the classics of Ayurveda and modern science.
13. Detailed description of Lip, tongue & palate diseases.
14. Study of Asta Vidha Shalaya Karma.
15. Detailed study of therapeutic measures for oral, dental and shiras disorders, like Kaval, Gandusha, Dhumpana, Nasya, Murdhtaila Mukhalepa and Pratisarana
