

2. RACHANA SHAARIRA

Theory- 400 marks(100 Each)
Practical and Viva-Voce - 100 marks

PAPER-I

100 Marks

GARBHA SHAARIRA

1. Etymology of Garbhavakranti Shaarira, features of Shukra and Shonita, description of Beeja, Beejbhaga, Beejbhagavayava and Garbhotpadaka bhava, Garbha Poshana Krama, Garbhavriddhikar Bhavas, Masanumasika Garbhavriddhi, Foetal circulation. Explanation of lakshanas occurring in Ritumati, Sadyaha grihita garbha. Yamal garbha, Anasthi garbha.
2. Explanation of Basic Embryology and Systemic Embryology.
3. Knowledge of basic facts in advancement in Anuvamshiki (Genetics) and Garbhaja vikaras (Teratology).

PAPER -II

100 Marks

KOSHTHANGA SIRA DHAMANI SROTAS SHAARIRA

- 1) **Koshthanga Shaarira:** - Detail etymological derivation of 'Koshtha' and Koshthanga, including detail study of structure of each Koshthanga. Male and Female genital organs.
- 2) **Ashaya:** - Definition & detail description.
- 3) **Kala Shaarira:-**Etymology, Definition, description of Seven Kalaas with their Modern component and applied aspects.
- 4) **Paribhashika Shaarira:** - Snayu, Kandara, Rajju, Sanghata, Jala etc. and their general description.
- 5) **Sira, Dhamani and Srotas Shaarira:** - Etymological derivation, definitions, synonyms, number and types of Sira, Dhamani and Srotas, Anatomical differences among Sira, Dhamani and Srotas, description of Vedhya and Avedhya Sira (Puncturable and Non puncturable Veins) and clinical importance of Sira, Dhamani and Srotas including Modern Anatomical counterparts.

PAPER -III

100 Marks

MARMA SHAARIRA EVUM ASTHI SANDHI PESHEE SHAARIRA

- 1) **Marma Shaarira:-** Derivation and definitions of the term Marma and their features, characteristics and number of Marma according to Sushruta. Divisions of Marma on morphological basis (Rachana Bheda), Shadangatvam (Regional), Abhighataja (Prognostic) classification, Trimarma according to Charaka. Knowledge of 'Marmaabhighata', MarmaViddha, Detail study of individual marma with their clinical and Surgical importance. Importance of Marma in Shalyatantra.
- 2) **Asthi Shaarira :-** General introduction and description of Asthi, differences among number of Asthi. Types of Asthi. Detail study of each bone with its ossification & Applied anatomy.
- 3) **Sandhi Shaarira :-** Etymological derivation, description, features, number, types and Applied anatomy of all Sandhis (joints).
- 4) **Peshee Shaarira :-** Etymological derivation, description, features, number, types and Applied anatomy of all Peshee (Muscles).

TANTRA SHAARIRA EVUM ANTAH AND BAHIR SRAVEE GRANTHI SHAARIRA

1. Description of Panchgyanendriya – Ayurved and Modern aspects. (Sensory organs -Eye, Ear, Nose, Tongue and Skin) with their Applied anatomy.
2. Shat Chakra - Location and significance in Yoga. Description of Ida, Pingala, Sushumnanadi.
3. Anatomy of brain and spinal cord, Peripheral nervous system (explanation of Nerve Plexuses and peripheral nerves, Cranial nerves and Autonomic nervous system) Cerebro-spinal fluid, dural venous sinuses, Ventricular system of Brain, Blood supply of Brain, Meninges with Applied Anatomy.
4. Antahsraavee Granthi and Bahisraavee Granthi:-Detail study of Endocrine & Exocrine glands – with Applied Anatomy.

PRACTICAL:-**100 Marks**

- 1) Dissection of atleast one cadaver during the Final part of the course.
- 2) Training of preservation techniques & Embalming.
- 3) Preparation of Soft tissue specimen and Models using conventional and current technology like Plastination, Luminal casting etc. under the guidance of Teaching staff and Experts of the relevant fields.
- 4) Preparation of Charts and Models of Rachana Shaarira subject to the individual capacity.
- 5) Observation of MRI, CT Scan, USG procedures, Colour Doppler etc.
- 6) Educational Visits to various Museums of other colleges in the Medical field.
- 7) Observation of Ward procedures like Lumbar puncture, Tracheostomy, Abdominal parentesis, Liver biopsy, Venesection, etc. (subject to the availability and opportunities)
- 8) Submission for Publication of at least one Research Article as per M.S.R.
- 9) To attend atleast one CME/Conference/Workshop/Seminar

Pattern of Practical Examination

1. Practical record book & log book	(5+5) -	10 Marks
2. Spotting (Dissected organs and Bones-Joints-Muscles)	(10+1)-	10 Marks
3. Dissection	-	20 Marks
4. Surface & Radiological Anatomy & Histology	-	15 Marks
5. Dissertation Presentation	-	10 Marks
6. Teaching Skills c PTT	-	10 Marks
7. Viva-voce	-	25 Marks
Total	-	100 Marks

Reference Books-

1. Relevant matters of Brihatrayee and Laghutrayee
2. Pratyaksha Shariram - Gananath Sen
3. Abhinava Shariram - Damodar Sharma Gaur
4. Parishadyam Sabdartha Shariram - Damodara Sharma Gaur
5. Brihat Shariram - P S Varier
6. Shiva Samhita
7. Gray's Anatomy for students - Latest Edition

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| 8. Human Anatomy Vol I, II, III | - B D Chaurasia |
| 9. Cunningham's Companion to Manual of Practical Anatomy.Vol I, II & III | |
| 10. Developing Human Anatomy | - Keith L Moore & Persaud |
| 11. Clinically oriented Anatomy | - Keith L Moore |
| 12. Clinically oriented Neuro Anatomy | - Richard Snell |
| 13. Surface and Radiological Anatomy | - Halim |
| 14. Grant's Methods of Anatomy | - Grant |
| 15. Grant's dissector | - Grant |
| 16. Human Embryology | - I. B. Singh |
| 17. आयुर्वेदीय भ्रूणविज्ञान | - डॉ. डी. जी. थत्ते |
| 18. आयुर्वेदीय मर्मविज्ञान | - रामरक्षा पाठक |

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