

CENTRAL COUNCIL OF INDIAN MEDICINE

POST GRADUATE PRELIMINARY 13. M.S. (AYU) SHALYA TANTRA – GENERAL SURGERY

FUNDAMENTAL PRINCIPLES AND APPLIED ASPECTS OF SHALYA TANTRA

PAPER-II

**THEORY- 100 MARKS
TEACHING HOURS – 100 HRS**

PART A

50 MARKS

1. Etymology, Definition, Scope and Importance of Shalya Tantra.
2. Study of Sushruta Samhita Sutra Sthana from 1st to 29th chapter.
3. Study of modern surgical clinical methodology.
4. Applied anatomy, physiology and surgical pathology of common surgical conditions including relevant Ayurvedic aspects.
5. Applied aspect of Shat Kriyakala in the pathogenesis of surgical diseases.
6. Applied aspect of Prakriti in understanding the causes and role of treatment in surgical diseases.
7. Applied aspect of basic principles of Ayurveda in Rogi Pariksha (Trividha, Shadvidha, Ashtavidha and Dashavidha Pariksha).
8. Concept and applied aspect of Sadhya-Asadhya (Prognosis) - Arishtha lakshana.
9. Marma Sharira – Etymological derivation, definition, basic concept of Marma, origin, classification, Pramana. Consequences of Marmaghata and their management.
10. Concept of Shock - Its varieties, etiopathogenesis and management – Cardio-pulmonary resuscitation (CPR), Endo-tracheal intubation and Tracheostomy. Drug reactions and Anaphylaxis – Management.
11. Basics of Fluid, Electrolyte, Acid Base Balance and Nutrition
12. Antibiotics, Analgesics, Anti-inflammatory and Emergency drugs in surgical practice.
13. Surgical Emergency conditions and its management.
14. Sushruta's concept of Rakta. Raktasrava – Haemorrhage – Types, Patho-physiology, clinical features and management. Concept of Raktastambhana – Haemostasis. Bloodtransfusion – Indications, blood groups, components, compatibility and complications with management.
15. Medico-legal aspects in Surgery. Knowledge of documentation and record keeping.

PART B

50 marks

16. Knowledge of ancient and recent Yantra and Shastra – Surgical instruments and their application in surgical practice.
17. Asepsis and Antiseptics. Sterilisation (Nirjivanukaran) - methods and types.
18. Surgical infections – Sepsis, Cellulitis, Erysipelas, Tetanus, Gas gangrene. Handling and care of HIV and Hepatitis positive patients. Knowledge of conditions like Bacteraemia, Septicaemia, Toxaemia and Pyaemia
19. Sangyahan / Anesthesiology - Types, methods, indications, contraindications, complications and its management.
20. Trividha Karma – Purva, Pradhan and Pashchat Karma. Modern principles of pre-operative and post-operative care.

21. Ashtavidha Shastra Karmas.
22. Bandhana Karma – Recent advances.
23. Kshara Karma – Introduction, types, method of various preparations like Kshara, Kshara Varti, Kshara Pichu and applications.
24. Kshara Sutra – Method of preparation, standardization and applications.
25. Agnikarma – Introduction, types and applications.
26. Raktamokshana – Introduction, types and applications.
27. Application of Panchakarma therapy in surgical practice.
28. Scope of Pathya-Apathya in the management of surgical diseases.

PRACTICAL

100 MARKS

Content:

1. Hospital duties in OPD, IPD, OT and Casualty.
2. Case record – 50 cases.
3. Surgical cases – Observing/Assisting/Performing- 50 cases.
4. Knowledge of instruments required in surgical practices.
5. Ayurvedic and Modern diagnostic and therapeutic procedures.
6. Fluid therapy and blood transfusion.
7. Contraception and sterilizations.
8. Pre-operative, operative and post operative procedures.
9. Practical training of local Anaesthesia.
10. Interpretation of Imaging techniques.
11. Practical knowledge of Yogya vidhi – Experimental surgery and Simulators.

Distribution of marks (practical):

1. Presentation of related Research work like Synopsis and Case record - 20 marks
2. Bedside clinical case taking-

Long case	- 20 marks
Short case	- 10 marks
3. Identification of instruments, X-ray etc - 10 marks
4. Demonstration of Surgical and Parasurgical Procedure - 10 marks
5. Viva voce - 30 marks

REFERENCE BOOKS:

1. Sushruta Samhita
2. Ashtanga Sangraha
3. Ashtanga Hridaya
4. Charaka Samhita
5. The Surgical instruments of the Hindus - Girindranath Mukhopadhyaya
6. Shalya Tantra Samuchchaya - Pandit Ramadesh Sharma
7. Shalya Vigyan (Part 1-2) - Dr. Surendra Kumar Sharma
8. Shalya Samanvaya (Part 1-2) - Vd. Anantaram Sharma
9. Shalya Pradeepika - Dr. Mukund Swaroop Verma
10. Sushruti - Dr. Ram Nath Dwivedi
11. Clinical Shalya Vigyan - Dr. Akhilanand Sharma
12. Bhagna Chikitsa - Dr. Prabhakar Janardhan Deshpande
13. Kshara sutra management in anorectal ailments - Dr. S.K. Sharma, Dr. K.R.Sharma and Dr. Kulwant Singh.
14. A manual on Fistula-in-ano and Ksharasutra Therapy – Dr. Manoranjan Sahu
15. Recent trends in the management of Arshas / Haemorrhoids - Dr. P. Hemantha Kumar
16. Anorectal diseases in Ayurveda - Dr. Sizoria and Dr. Praveen

17. Adhunik Shalya Chikitsa Siddhanta - Kumar Chowdary.
18. Agnikarma Technology Innovation - Dr. Katil Narshingham Udupa
19. Shalya Tantra Ke Siddhant - Dr. P.D. Gupta
20. Arsha Evum Bhagander Mein sutra Avacharan - Dr. K.K.Takral
21. Recent advances in Kshara Sutra - Vd. Kanak Prasad Vyas
22. Leech application in Ayurveda - Dr. M. Bhaskar Rao
23. Kshara Sutra - Dr. M. Bhaskar Rao
24. Text book of Shalya Tantra (Ayurvedic Surgery) - Dr. S.N.Pathak
25. Shalya Shalaky Tantra - Dr. P. Hemantha Kumar
26. Surgical ethics of Ayurveda - Vd. S.G. Joshi
27. Anushastra Karma - Dr. D.N. Pande
28. Concept of Vrana is Ayurveda - Dr. D.N. Pande
29. Significance for Poorva Karma in Surgical Patient - Dr. Lakshman Singh
30. Sangyahan Prakash - Dr. Lakshman Singh
31. Marma Science and Principles of Marma Therapy - Dr. D.N. Pande
32. Recent trends in the management of Bhagandara / Fistula-in-ano - Dr. Sunil Kumar Joshi
33. Principles and Practice of Agnikarma - Dr. P. Hemantha Kumar
34. Shalya Vigyan (Sachitra) - Dr. Anand Kumar and Dr. Kanchan Shekokar.
35. Text book of Surgery - Anantram Sharma
36. Operative Surgery - Sabistan
37. Bailey and Love's Short Practice of Surgery - Rob and smith
38. Text books of Operative Surgery - Norman.S. Williams, Charles.V. Mann and R.C.G. Russell
39. Principles of Surgery - Farquharson's
40. Emergency Surgery - Schwartz
41. Manipal Manual of Surgery - Hamilton Bailey's
42. SRB's Manual of Surgery - Dr. Rajgopal Shenoy
43. Surgery of the Anus, Rectum and Colon - Sriram Bhat M
44. Surgical pathology - John Goligher
45. Clinical methods in surgery - Willing Worth
46. Textbook of Operative Surgery - S. Das
47. A concise Text Book of Surgery - S. Das
48. A manual on Clinical Surgery - S. Das
49. A System of Surgical Diagnosis - S. Das
50. Clinical Anatomy/ Surgical Anatomy - T.N. Patel
51. A Practical Guide to Operative Surgery - John E.Skandalakis
52. Manual of Surgical Instruments - S. Das
53. Ward Procedures - M.M. Kapur
54. Drugs and Equipment for Anaesthesia - Patel Mansukh. B
55. Primary Anaesthesia - Arun kumar
56. Synopsis of Anaesthesia - Maurice King
57. Outline of Orthopedics - Lee
58. Fractures and Joint Injuries - John Crawford Adams and David Hamblen. L
59. Outline of Fracture - Watson-Jones
- John Crawford Adams

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