

SYLLABUS FOR PROFESSORS - KPSC EXAMINATION

SHALYATANTRA

- Knowledge of shalyatantra siddhantha
 - Significance & importance of Rakta as Chaturta Dosha
 - Trividha karma
 - Asthavidha Shastra karma
 - Concept of Marma
 - Concept of Raktastambana (Haemostasis)
 - Concept of bhandha&seevana karma
 - Knowledge of anushastra karma para-surgical procedures
 - Knowledge of yantras and shastras.
- Surgical ethics and medico-legal issues
- Nirjeevikarana- sterilisation
- Shock- types & management
- Haemorrhage types & clinical features
- Concept of blood transfusion- Blood groups, Compatibility, Indications, Contraindications and complications with management.
- Fluid, electrolyte, acid-base balance & nutrition
- Knowledge of antibiotics, analgesics, anti-inflammatory and emergency drugs in surgical practice.
- Concept & management of vrana
- Concept & management of Ulcers
- Concept of vranashopha, vidradi, granthi&arbudha, sheepada, galaganda.
- Diagnosis & surgical management of Trauma- head injury, spinal injuries, Abdominal injuries and Compartment syndrome.
- Diagnosis and surgical management of
 - Gastro-intestinal disorders- including oesophagus, stomach, duodenum, spleen, small intestine, large intestine & appendix.
 - Ano-rectal disorders
 - Genito-urinary Disorders including diseases of kidney, ureter, bladder, prostate, urethra, penis & scrotum.
 - Hepato-biliary system- liver, gall bladder, pancreas.
- Diagnosis & surgical management of Hernias.
- Pulmonary disorders- Surgical Emphysema, Lung abscess, Lung cyst, Pneumo thorax, Haemo thorax, Pleural effusion with appropriate investigations.

- Diseases of the Breast- Breast abscess, mastitis, benign and malignant tumours
- Diagnosis & surgical management of diseases of artery, vein, tendon & ligaments.
- Diagnosis & surgical management of Asthibhagna & AsthiVikaras.
- Knowledge of diagnostic & therapeutic endoscopic and laparoscopic procedures.
- Knowledge of imaging techniques & radiological investigations like USG, CT, MRI, PET, Doppler scan, Mammography & Biopsy.