लोक सेवा आयोग

नेपाल स्वास्थ्य सेवा, सर्जरी समूह, यूरो सर्जरी उपसमूह, नवौं (९) तहको खुला र आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

Paper II: Technical subject

1. Embryology and surgical anatomy of retroperitoneum
    - 1.1 Kidney
    - 1.2 Uterus
    - 1.3 Adrenal gland
    - 1.4 Other retroperitoneal structures
2. Embryology and surgical anatomy of lower urinary tract with congenital anomalies
3. Development of testes and congenital defects
4. Congenital defects in urology with special reference to hypospadius, epispadius.
5. Symptoms and signs of disorders of genito uninary tract
6. Urological laboratory investigations
7. Radiological investigation of urinary tract and retroperitoneal structures
8. Renal physiology and pathophysiology of
    - 8.1 Reno vascular hypertension
    - 8.2 Ischemic nephropathy
    - 8.3 Obstructive uropathy
    - 8.4 Acute and chronic renal failures
9. Basic principles of immunology in urology and renal transplantation
10. Pathophysiology and management of urinary tract obstruction: obstructive uropathy including benign prostatic hyperplasia and prostatic cancer
11. Genito urinary trauma and the basic principles and management
    - 11.1 Renal trauma
    - 11.2 Ureteric trauma
    - 11.3 Bladder trauma
    - 11.4 Urethral trauma
    - 11.5 Penile trauma
    - 11.6 Scrotal trauma
12. Infection and Inflammation of uninary tract
13. Voiding functions and dysfunction
14. Physiology and pharmacology in urinary bladder and urethra
15. Neurourological evaluation
16. Neuromuscular dysfunction of lower urinary tract

17. Reproductive function and dysfunction
18. Concept of endourology
19. Concept of common urological problem and their approaches in:
    - 19.1 Heamaturia
    - 19.2 Obstructive uropathy
    - 19.3 Retention of urine
20. Urolithiasia and modern trend in their management.
21. Neoplasm of genito urinary system especially.
    - 21.1 Renal cell carcinoma (RCC)
    - 21.2 Transitional cell carcinoma (TCC)
    - 21.3 Cancer Penis
    - 21.4 Testicular tumors
    - 21.5 Adrenal tumors
22. Concept of urinary diversions
23. Radiotherapy and chemotherapy in urology
24. Disorders of testes, scrotum, spermatic cord and external genitalia
25. Male Infertility and Erectile dysfunction
