

POST-DOCTORAL DEGREE EXAMINATION – JANUARY 2024

M.Ch. UROLOGY

Time: 3 Hours

Max. Marks: 100

PAPER – I

Basic Sciences as applied to Urology

Q.P. Code: 1509

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

ESSAY QUESTIONS:

10 X 10 = 100

1. Vascular access in chronic renal failure patients.
2. Discuss mechanism of action, dosage, indications and adverse events of Sunitinib.
3. Indications and various tissues used in Substitution Urethroplasty and their advantages.
4. Describe familiar renal cell carcinoma.
5. Bacterial resistance and adherence – implications in urological practice.
6. Osteoclastic inhibitors in treatment of carcinoma prostate.
7. Discuss different types of Lasers in Urology.
8. Pelvicalyceal anatomy of horse shoe kidney in regard to Percutaneous Nephrolithotomy.
9. Pathophysiology of varicocele induced oligo astenospermia.
10. Anejaculation.

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PAPER – II
Principles and Practice of Urology

Q.P. Code: 1510

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

ESSAY QUESTIONS:

10 X 10 = 100

1. Intermittent Androgen blockage.
2. Evaluation and management of Paediatric Urolithiasis.
3. Etiology, Evaluation and management of renal vein thrombosis.
4. Biochemical, hormonal evaluation and management of adrenal mass.
5. Guys stone score and its relevance in urological practice.
6. Non neurogenic, Neurogenic bladder – Evaluation and management.
7. Management of biochemical recurrence after radical prostatectomy.
8. Intestinal segments in Urology – Merits and demerits.
9. Post transplant lymphocele.
10. Intra testicular germ cell neoplasia.

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PAPER – III
Specialty Urology

Q.P. Code: 1511

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

ESSAY QUESTIONS:

10 X 10 = 100

1. Discuss the diagnosis and management of intraoperative ureteral injuries.
2. Live donor evaluation for Renal transplantation.
3. Dietary and medical management of Urolithiasis.
4. Primary obstructive megaureter – diagnosis and management.
5. Pathophysiology of neurovesical dysfunction in spinal dysraphism.
6. Autologous tissue transfer options in Urology.
7. Etiopathogenesis, diagnosis and management of ectopic testis.
8. Evaluation and management of adrenal carcinoma.
9. Urologic manifestations of HIV infections.
10. Medical management of LUTS secondary to BPH.

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PAPER – IV

Operative Urology and Recent Advances in Urology

Q.P. Code: 1512

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

ESSAY QUESTIONS:

10 X 10 = 100

1. Prognostic markers in bladder cancer.
2. Clinical importance of Free to total level PSA ratio.
3. Management of metastatic renal cell carcinoma.
4. PCA 3.
5. Role of diffusion weighted MRI imaging in urological Cancers.
6. Bacterial biofilms in patients with indwelling urinary catheters.
7. Role of peri-operative intravesical chemotherapy in carcinoma bladder.
8. R.E.N.A.L Nephrometry scoring system and its applications.
9. Narrow band imaging in Urology.
10. Pathophysiology of reperfusion injury.
