

POST-DOCTORAL DEGREE EXAMINATION – OCTOBER 2020
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

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe the vascular anatomy of penis. Describe in brief the physiology of penile erection and detumescence (8+12)
2. Describe the anatomy of pelvi-calyceal system and renal vasculature as relevant to PCNL (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Clinical importance and management of Asymptomatic bacteriuria during pregnancy
4. Indications of biopsy of renal mass
5. Clinical features and management of hyponatraemia
6. Indications and complications of Clean Intermittent Catheterization (CIC)
7. Urodynamic features and management of Diabetic cystopathy
8. Buccal mucosal graft- its role in urological practice in present era

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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

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Classification and management options for renal trauma following road accident
2. Ureteral injury during pelvic surgery: Discuss diagnosis and various options for management

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Indications and side effects of mTOR inhibitors in urological practice
4. Morbidity of androgen deprivation therapy for carcinoma prostate
5. Indications and contraindications of bladder preservation protocol for muscle invasive TCC of urinary bladder
6. Relevance in diagnosis and management of Tumor markers for testicular tumor
7. Advantages and limitations of Tubularized Incised Plate urethroplasty for distal hypospadias
8. Etiopathogenesis and management of bladder neck contracture

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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

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Outline the indications, patient preparation and the procedure of pressure flow study for evaluation of voiding dysfunction (3+3+14)
2. List the indications for prostatectomy for BPH. List the various equipments and their essential components necessary for TURP. Describe a standard technique of TURP for a 40 gm prostate with a small median lobe in a 65 years-old man with hypertension (3+5+12)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Management of chronic orchalgia
4. Management of primary VUR in a pre-school girl child
5. Management and prevention of recurrence of Matrix renal calculi
6. Outline the indications and techniques of non-dismembered pyeloplasty
7. Arterial blood gas analysis in urological practice
8. Etiopathogenesis and management of Peyronie's disease

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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

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Define premature ejaculation. Describe various agents used for management of premature ejaculation
2. Discuss the various options of management of a case of un-successful pyeloplasty on a solitary functioning kidney. Describe the various techniques in brief

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Indications, survival advantages and side effects of Abiraterone in carcinoma prostate
4. Indications and complications of Chronic Ambulatory Peritoneal Dialysis
5. Advantages and disadvantages of Laparoscopic donor nephrectomy
6. Etiopathogenesis and clinical relevance of Balanitis Xerotica Obliterans
7. Radiological features and management of Myelolipoma of adrenal gland
8. Types and management of Hyperoxaluria
