Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 23-Jul-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – I

QP Code: 9161

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Hypothalamic – Pituitary – Gonadal Axis.
2. Malakoplakia.
3. Antibiotic Prophylaxis in Urologic surgery.
4. Bacteriuria in Pregnancy.
5. Clinical manifestations and Diagnosis of Schistosomiasis.
6. Developmental stages of Spermatozoa.
7. Pharmacologic agents used in treatment of nocturia.
8. Oncogenes.
9. Phosphodiesterase Type 5 inhibitors.
10. Fournier Gangrene.

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M.Ch. Degree Examination – 26-Jul-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – II

QP Code: 9162

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Evaluation of patient with Microchematuria.
2. Non-Surgical treatment of Peyronie’s disease.
3. Evaluation and management of Retrograde ejaculation.
4. Video-Urodynamics.
5. Pathophysiology of Stress Urinary incontinence in women.
6. Evaluation and Management of Urethrorectal fistula.
7. Surgical procedures used for Storage failure at bladder level.
8. Pre-malignant lesions of Penis.
9. Transrectal Prostate biopsy techniques.
10. Dysfunctional voiding.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 28-Jul-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – III

QP Code: 9163

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Bladder preservation strategies in management of Muscle invasive bladder Cancer.
2. Prune-Belly syndrome.
3. Conservative management of Stress Urinary incontinence.
4. Management of Bilateral Adrenal Pheochromocytoma.
5. Various techniques of Uretero-intestinal anastomosis.
6. Prostate Specific Antigen.
7. Tuberous Sclerosis Complex.
8. Ambulatory Urodynamics.
9. Androgen receptor Targeted treatment for Prostate cancer.
10. Surgical management of Gr V Vesico-ureteric reflux in a girl.

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M.Ch Degree Examination – 30-Jul-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – IV

QP Code: 9164

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Clinical indications and applications of Positron Emission Tomography in urological malignancies
2. Renal vein renin assay
3. Radio frequency ablation in urology
4. MAG 3
5. Describe the treatment strategies for High Risk locally advanced Prostate Cancer
6. Tumor Markers in Bladder Cancer
7. Botulinum Toxin in Urology
8. Fluorescence cystoscopy
9. Continuous Ambulatory peritoneal dialysis (CAPD)
10. Docetaxel in urology

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Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 04-Dec-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – I

QP Code: 9161

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss the endoscopic anatomy of the ureter and pelvicalyceal system and its relevance to Percutaneous renal surgery.

2. Discuss the physiology of the ureteropelvic junction and effect of obstruction on urerteral function.

3. Mention the common surgical causes of acute kidney injury and discuss its management.

4. Discuss the importance of major histocompatibility with reference to renal transplantation.

5. Discuss the physiochemistry and pathogenesis of urolithiasis.

6. Discuss method of complete urinalysis and its significance in diagnosing different urological conditions.

7. Discuss natural defenses of the urinary tract and bacterial virulence factors with reference to urinary tract infection.

8. Discuss the evaluation and management of emphysematous pyelonepritis.

9. Discuss the neuroanatomy and neurophysiology of penile erection.

10. Discuss the Zonal anatomy of the prostate and its significance with reference to different benign and malignant pathology.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 06-Dec-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – II

QP Code: 9162

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Describe etiology and premalignant lesions of Penile cancer.
2. Describe the American Association for the surgery of the trauma scale for renal injury grading system. Write the management of Grade V renal injury.
3. Describe the medical management of Peyronie's disease.
4. Write on chemoprevention of prostate cancer.
5. Give a brief account on urinary markers in bladder cancer.
6. Write on the principles and practice of antimicrobial prophylaxis in urology.
7. How do you evaluate a recurrent stone former? Write on medical expulsive therapy of the ureteric stone.
8. Explain the etiology and management of acute prostatitis.
9. Describe the medical and oncological rationale for partial nephrectomy for the treatment of T1 Renal Cortical tumours.
10. Describe the management of distal hypospadias.

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M.Ch. Degree Examination – 08-Dec-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – III

QP Code: 9163

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Artificial Urinary Sphincter in management of Male urinary incontinence.
2. Non-Urothelial malignancies of Urinary Bladder.
3. Sequelae of Pediatric Urinary tract infections.
4. Write about the Pathology of Wilms tumor and its bearing on the management.
5. Management of Positive surgical margins in patient who has undergone Partial Nephrectomy for Renal cell carcinoma.
6. Endoscopic Treatment of Vesicoureteral reflux.
7. VEIL (Video Endoscopic Inguinal Lymphadenectomy).
8. Congenital Adrenal Hyperplasia.
9. Intravesical therapies for management of Non muscle invasive bladder Cancer.
10. Retroperitoneal Lymph node dissection in management of Testicular Cancer.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch Degree Examination – 10-Dec-2021

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – IV

QP Code: 9164

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Vasoepididymostomy – indications and surgical technique.
2. Health Related Quality of life instruments used in Urologic diseases.
3. Landmark studies in Medical Management of Benign Prostatic Hyperplasia.
4. Blood based Bio-markers used in Carcinoma Prostate.
5. Robotic Radical Prostatectomy.
6. Immune check point blockade in Management of Muscle invasive bladder cancer.
7. Enucleation techniques in surgical management of Benign Prostatic Hyperplasia.
8. Molecular Genetics and its role in etiology of Prostate Cancer.
9. Recent advances in the management of Castrate Resistant Prostate Cancer.
10. Advances in Retrograde intrarenal surgery for Urolithiasis.

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