Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Discuss clinical presentation, pathophysiology and management of sepsis
2. Describe clinical assessment of glomerularfiltation rate
3. Discuss embryology, classification and management of ureterocele
4. Bacteriuria in pregnanacy
5. Muscarinic receptors in urinary bladder
6. Classification of contrast media. Discuss contrast media reactions and premedication strategy to reduce severity
7. Discuss embryology and anatomy of ureter. Add a note on management of ureteric injuries
8. Dual energy CT Scan and its application in urolithiasis
9. Interstitial cystitis – pathogenisis and management
10. Discuss premalignant lesions of the penis

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Discuss vascular interventions in urology.
2. Nephrometry score in small renal mass
3. Evaluation of 5cms adrenal mass in 40 year old lady with uncontrolled hypertension
4. Etiopathogenisises, classification and management of emphysematous pyelonephritis
5. Discuss controversies and current recommendation regarding prostate cancer screening.
6. Discuss pathophysiology and management of post obstructive diuresis.
7. Classification and management of BCG toxicity.
8. Discuss metabolic complications of urinary diversion.
9. Discuss detailed metabolic workup in evaluation of recurrent stone disease.
10. Diagnostic algorithm for evaluation of azoospermia

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Discuss intrvesical chemotherapy in non muscle invasive bladder cancer.
2. Congenital adrenal hyperplasia
3. Discuss staging, prognostic factor and pathology of Wilm's tumor. Add a note on management of bilateral Wilm's tumor.
4. Discuss the medical management of vesicoureteric reflux with its landmark studies.
5. Classify testicular tumors. Add a note on intratesticular germ cell neoplasia.
6. Tuberous sclerosis complex
7. Discuss mechanism of stone communition and bioeffects of extracorporeal shockwave lithotripsy.
8. Classify inferior venacaval thrombus and discuss its surgical management.
9. Sipuleucel –T
10. Mitrofanoff's principles and its application in urology

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY 2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Describe the technique, advantages and limitations of "prostatic lift".
2. Discuss the rationale of combines hormonal therapy and radiotherapy in prostate cancer.
3. Enumerate the different options available for testosterone replacement, and their advantages and disadvantages.
4. Describe applications of molecular multi-modal imaging techniques in urology.
5. Tissue expanders and their applications in urology.
6. Current status of chemoprevention in prostate cancer.
7. Options for neurostimulation in treatment of overactive bladder.
8. Use of different Nephrometry scores in urology.
9. Techniques and equipment used in video-endoscopic inguinal lymphadenectomy (VEIL)
10. Continuous arteriovenous haemodialysis

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Multikinase inhibitors in RCC.
2. Intratubular germ cell neoplasia.
3. Tumor Suppressor genes in Urology.
4. Botulinum toxin in Urology.
5. Molecular mechanism of Sex Development
6. Management of Multidrug resistant UTI.
7. PET Scans in Urology.
8. Management of valve – Bladder Syndrome.
9. Discuss the use of different lasers in Urology.
10. Discuss the precursors of Genito-Urinary malignancies.

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Adjuvant therapies in prostate cancer
2. Management of Distal penile hypospadias
3. Describe the renal complications after bariatric surgery.
4. Discuss the contrast agents used in urology
5. Discuss the sling procedures for S. U. I.
6. Tumor markers in Testicular cancer
7. Sacral Neuromodulation
8. Chyluria
9. Acquired renal cystic disease
10. Alports syndrome (hereditory nephritis).

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC-2018

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Discuss the development of the Kidney and physiology of the Kidneys in infants.
2. Discuss the Physiology of sperm production. Describe the structure of a normal sperm.
3. Embryology and functional anatomy of the Antireflux mechanism.
4. Discuss the normal micturition process and describe the diagnosis and treatment of nocturnal enuresis.
5. Describe the various body alteration occur due to pneumo-peritoneum in laparascopy. What are the pressures commonly used in laparascopy?
6. Structural and functional changes of the aging kidney.
7. Trans Rectal Ultrasound scan in Urology.
8. Describe the life cycle of schistosomiasis.
9. Pathogenesis and management of urolithiasis in patients with neobladders.
10. Medical management of BPH.

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