Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC 2017

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. Videourodynamics
2. Describe countercurrent mechanism and loop of henle
3. Clavien – dindo classification of surgical complications
4. Chronic prostatitis pelvic pain syndrome
5. Transrectal ultrasound guided prostate biopsy
6. Discuss physiology of erection and the management of a patient with erectile dysfunction
7. Describe surgical anatomy of the kidney in relation to percutaneous nephrolithotomy. Add a note on management of post percutaneous nephrolithotomy haematuria
8. Antimicrobial prophylaxix for urologic procedure
9. Tumour suppressor genes and oncogenes in urology
10. Bacterial resistance

Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC-2017

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. Pharmacotherapy of premature ejaculation
2. Value bladder syndrome
3. Principles of pneumoperitoneum in laparoscopy. Enumerate cardiovascular, respiratory, renal and metabolic effects
4. Hypercalciuria
5. Urological manifestations of HIV – AIDS (Human immune deficiency virus – acquired immune deficiency syndrome)
6. Rhabdomyolysis – cause, clinical feature and management
7. Discuss different types of stone migration devices and their functions
8. Sperm function assessment
9. Discuss pathogenesis, clinical features and evaluation of xanthogranulomatous pyelonephritis
10. Nocturnal enuresis

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – DEC-2017

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 various shunt surgeries for ischaemic priapism
2. Risk stratification and targeted therapy in advanced renal cell carcinoma
3. Intermittent androgen deprivation therapy
4. Discuss management options for clinical stage II A II B of non seminamatous germ cell tumour
5. Von hippel landau disease. Discuss etiology, clinical feature, management and screening protocol for families
6. Discuss mechanism and management of post obstructive diuresiss
7. Enumerate the causes of vesicovaginal fistula and add a note on management of vesicovaginal fistula
8. Controversies and current recommendations regarding prostate cancer screening
9. Describe different procedures and its outcomes in distal hypospadias repair
10. Management of non-neuropathic bladder sphincter dysfunction

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – Dec-2017

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. Discuss monoclonal antibodies in urology
2. Multiparametric magnetic resonance imaging
3. Holmium laser application in urology
4. Molecular basis for targeted therapy in clearcell renalcell carcinoma
5. Sipuleucel T
6. Describe immunosuppressive drug regimen in renal transplant surgery
7. Risk factors and staging of upper tract transitional cell carcinoma. Management options for distal ureteric transitional cell carcinoma
8. Discuss androgen deficiency in the aging male
9. Discuss endoscopic management of vesico ureteric reflus
10. Intracytoplasmic sperm injection (ICSI)

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M.Ch Degree Examination – JULY 2017

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. Write briefly on molecular bio-markers in prostate cancer.
2. Write on genetic perturbations in prostate, bladder and renal cancer.
3. Write on radiation safety in urology,
4. Write on molecularly targeted therapy for renal cancer.
5. Give a detailed account of Enzalutamide.
6. Write briefly on Prostatic Intraepithelial Neoplasia (PIN) and Atypical small acinar I proliferation.
7. Describe the host-pathogen interaction in UTI.
8. Describe the pathophysiology and management of post-obstructive diuresis.
9. How do you prevent and manage post-operative acute kidney injury?
10. Give a detailed account of epidemiology, physical chemistry and pathophysiology of uric acid lithiasis.

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY 2017

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. Renal tubular acidosis
2. Evaluation and management of renovascular hypertension
3. Female sexual dysfunction
4. Guy's stone score
5. Discuss pathology, evaluation and management of renal echinococcosis.
6. Valve bladder syndrome
7. Marginal kidney donor
8. Discuss chronic prostatitis pelvic pain syndrome.
9. Prostate cancer prevention trial
10. Malakoplakia

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Rajiv Gandhi University of Health Sciences

Time: Three Hours **M.Ch Degree Examination – JULY 2017** **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 the management options in T2-4NOMO Bladder Transitional cell carcinoma.
2. Discuss regarding the management of Biochemical recurrence after definitive therapy for Prostate cancer.
3. Transurethral Microwave therapy for Benign prostatic hyperplasia
4. Discuss the pathophysiology of Female stress incontinence and role of injectable agents in the management of stress incontinence.
5. Discuss the causes and treatment of Nocturnal polyuria.
6. Discuss regarding the metabolic problems of Urinary intestinal diversion.
7. Metanephric Adenoma
8. Prostate intraepithelial neoplasia
9. Urologic complications of sickle cell disease
10. Mycophenolate Mofetil

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Rajiv Gandhi University of Health Sciences

M.Ch Degree Examination – JULY 2017

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. Discuss multiparametric MRI in diagnosis of prostate cancer.
2. Intracytoplasmic sperm injection
3. Confocal laser endmicroscopy
4. Management option for clinically positive groin nodes in carcinoma penis
5. Application of Firefly fluorescence imaging technology in robotic surgery
6. Discuss pathophysiology and management of interstitial cystitis.
7. Molecular genetics in renal cancer
8. Discuss vascular complications of renal transplant surgery.
9. Discuss hemostatic agents and tissue glues in urology.
10. Discuss various methods to optimize intravesical chemotherapy.

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