

Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2011

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO UROLOGY

Tuesday, July 05, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Each question carries TEN marks.

1. Anatomy of inguinal lymph nodes as relevant to management of penile cancer.
2. Embryology and management of retrocaval ureter.
3. Mechanism of penile erection.
4. The role of Nuclear imaging in Urology.
5. Management of hyperkalemia
6. Describe physiological principles of creation of urinary reservoir from intestinal segments.
7. HLA
8. Factors influencing stone fragmentation in ESWL.
9. Bosniak classification.
10. Types and management of fungal infections in urology.



Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2011

SUBJECT: PAPER II: GENERAL UROLOGY, FEMALE UROLOGY AND ANDROLOGY

Thursday, July 07, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. Each question carries TEN marks.**

1. Assisted reproductive techniques in male infertility.
2. Management of traumatic rupture of female urethra.
3. Discuss the technique and factors determining the success rate after vasectomy reversal.
4. Methods to evaluate stress incontinence.
5. Reteroperitoneal fibrosis.
6. Dietary modifications for stone formers.
7. Adolescent varicocele.
8. Scientific basis and present guidelines for drug therapy in OAB.
9. Prostatic intraepithelial neoplasia.
10. Metabolic evaluation in urolithiasis.



Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2011

SUBJECT: PAPER III: OPERATIVE UROLOGY, URO-ONCOLOGY AND PAEDIATRIC UROLOGY

Saturday, July 09, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. Each question carries TEN marks.**

1. Management of bilateral Undescended testis in a boy aged 10 years.
2. Nocturnal enuresis.
3. Management of Adult polycystic disease of the kidneys.
4. Techniques and post-operative care of orthotropic neobladders.
5. Tumor markers in the diagnosis of genitor-urinary tumors.
6. Diagnosis and management of adenocarcinoma bladder.
7. Considerations in management of genitourinary tuberculosis in renal allograft recipient.
8. Follow up outcome following PUV fulguration.
9. Intermittent androgen ablation for management of CA Prostate.
10. Role of lymph node dissection in upper tract TCC.



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2011

SUBJECT: PAPER IV: RECENT ADVANCES IN UROLOGY

Monday, July 11, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL questions. Each question carries TEN marks.**

1. Management of venacaval extension of kidney tumor.
2. Post obstructive diuresis.
3. Management options in treating carcinoma in situ of bladder.
4. Laser lithotripsy.
5. Currently favored treatment of rhabdomyosarcoma of bladder in children.
6. Endopyelotomy.
7. Management of prostatectomy incontinence.
8. Balinitis xerotica obliterans.
9. Use of alpha blockers in urology.
10. Management of incidental carcinoma of prostate.

