

## MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO UROLOGY

Wednesday, July 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. All questions carry equal marks.**

✍ **Write short notes on:**

1. Contrast associated nephrotoxicity
2. Evaluation of non-glomerular hematuria
3. Renal papillary necrosis
4. Embryology of posterior urethral valve
5. Bisphosphonates in Ca. prostate
6. Newer markers for Ca. prostate
7. Role of PCR in urinary tuberculosis
8. Buschke-Lowenstein tumour
9. Physiological changes during laparoscopic surgery
10. Super scan



## MANIPAL UNIVERSITY

## M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2013

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

Friday, July 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**Answer ALL questions. All questions carry equal marks.**

1. Emphysematous pyelonephritis – classification and management
2. Energy sources for intracorporeal lithotripsy
3. Premalignant lesions of bladder
4. Primary bladder neck obstruction in young men
5. Andropause
6. Urethral substitutes
7. Ischemic priapism – management
8. Dysfunctional voiding
9. Azoospermia – classification and approach
10. Female urethral diverticula – classification and management



**MANIPAL UNIVERSITY****M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2013****SUBJECT: PAPER III: OPERATIVE UROLOGY, URO-ONCOLOGY AND PAEDIATRIC UROLOGY**

Monday, July 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Each question carries equal marks.**

✍ **Write short notes on:**

1. Vascular characteristics of buccal mucosa
2. Balanitis Xerotica Obliterans (BXO)
3. Techniques of ureteric tailoring and implantation in primary obstructive megaureter
4. Intravesical chemotherapeutic agents in TCC bladder
5. Role of conservative management in upper tract TCC
6. Paraneoplastic syndromes in RCC
7. Chemotherapy for HRPC
8. Valve bladder syndrome
9. Intratubular germ cell neoplasia of testis
10. Role of targeted therapy in RCC





**MANIPAL UNIVERSITY**

**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2013**

**SUBJECT: PAPER IV: RECENT ADVANCES IN UROLOGY**

Wednesday, July 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **All questions carry equal marks.**

1. PCA 3
2. Second TUR in high risk bladder cancer
3. 3 dimensional reconstruction in CT scanning
4. EORTC trial – for prostate cancer screening and mortality
5. Recent advances in stent design
6. XDR tuberculosis
7. Steroid free immunosuppression regimen
8. Current status of antireflux surgery in vesicoureteral reflux
9. Medical expulsive therapy
10. Tissue sealants and bioadhesives in urology

