

Reg. No.

MANIPAL UNIVERSITY

M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2012

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO UROLOGY

Saturday, July 07, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL questions. All questions carry equal marks.

Write short notes on:

1. Anatomic defects in classic bladder extrophy
2. Micropenis
3. Ureteral tailoring
4. Acquired renal cystic disease
5. Hematospermia
6. pH of urine and it's clinical relevance
7. Maturation of spermatozoa
8. Cost effective approach to renovascular hypertension
9. Mechanism of stone communiton by extra corporeal shockwave lithotripsy
10. Hemodynamic changes with bilateral ureteric obstruction



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M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2012

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

Monday, July 09, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

✍ **Write short notes on:**

1. Urethral varices
2. Growing teratoma syndrome
3. Hypospadias cripple
4. Three piece inflatable penile prostheses
5. Urological manifestations of Von-Hippel Lindau disease
6. Renal arterial aneurysm and their management
7. PLESS
8. Adrenal incidentaloma
9. Emphysematous pyelonephritis
10. Mixed gonadal dysgenesis



MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2012****SUBJECT: PAPER III: OPERATIVE UROLOGY, URO-ONCOLOGY AND PAEDIATRIC UROLOGY**

Wednesday, July 11, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

✍ **Write short notes on:**

1. Bipolar TURP
2. Pre operative preparation of the chronic renal failure patient
3. Modified template RPLND
4. Prenatal hydronephrosis – causes and management
5. Androgen independent prostate cancer
6. Complete primary exstrophy repair
7. Neourethral coverage in hypospadias repair
8. Controversies in penile cancer staging
9. Fetal cystoscopy – indications, technique and outcome
10. BCG failure – management



MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2012****SUBJECT: PAPER IV: RECENT ADVANCES IN UROLOGY**

Friday, July 13, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. All questions carry equal marks.

1. Laparoendoscopic single site surgery
2. Endoscopic combined intrarenal surgery
3. Expanded criteria donor for renal transplantation
4. Blue light cystoscopy
5. Targeted therapy in RCC – tyrosine kinase inhibitors
6. Quarternary ammonium compounds in over active bladder
7. Sacral neuromodulation – mechanism of action
8. Nerve sparing RPLND
9. Telementoring
10. Bone metastases in prostate cancer- approach to management

