

MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO UROLOGY**

Wednesday, July 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

✍ **Write short notes on:**

1. Autonomic hyperreflexia.
2. Endopelvic fascia and connective tissue support of female pelvic organs.
3. Pathophysiology of renovascular hypertension.
4. Hemodynamic changes during acute unilateral ureteral obstruction.
5. Compensatory renal growth.
6. Management of grade 4 renal injury.
7. Kidney preservation.
8. Physicochemistry of renal stone formation.
9. Embryology of bladder extrophy.
10. Consequences of cryptorchidism.



MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER II: GENERAL UROLOGY, FEMALE UROLOGY AND ANDROLOGY**

Thursday, July 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

✍ **Write short notes on:**

1. Management of recurrent urinary tract infection in an adult female.
2. Hydrodistension of bladder.
3. Bowenoid papulosis.
4. Hormonal evaluation in male infertility.
5. Pathophysiology of ischemic nephropathy.
6. Medical management of Peyronie's disease.
7. Videourodynamics.
8. Risk factors of stress incontinence in females.
9. Jejunal conduits.
10. Management of urinary stones during pregnancy.



MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER III: OPERATIVE UROLOGY, URO-ONCOLOGY AND PAEDIATRIC UROLOGY**

Friday, July 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

✍ **Write short notes on:**

1. Anatomic nephrolithotomy.
2. Nonmetastatic, androgen independent, castrate disease.
3. Preparation of renal transplant recipient.
4. Malignant pheochromocytoma.
5. Bladder injury during laparoscopy.
6. Perinephric abscess.
7. Bladder neck dysfunction.
8. Transobturator slings.
9. BCG failure.
10. Secondary nonobstructing, nonrefluxing megaureter.



MANIPAL UNIVERSITY**M.Ch. (UROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER IV: RECENT ADVANCES IN UROLOGY**

Saturday, July 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

✍ **Write short notes on:**

1. Current applications for prostate specific antigen doubling time.
2. Contrast enhanced ultrasonography.
3. Holmium laser in the management of benign prostatic hyperplasia.
4. Active surveillance in renal tumors.
5. Retroperitoneoscopy.
6. Fibrin glue in urology.
7. Magnetic resonance urogram.
8. Top-down approach in the evaluation of pediatric urinary tract infection.
9. Fluorescence cystoscopy.
10. Endoscopic management of upper urinary tract urothelioma.

