

Reg. No.

# MANIPAL UNIVERSITY

**M.Ch. (GENITO-URINARY SURGERY) DEGREE EXAMINATION – JULY 2007**

**SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO GENITO-URINARY SURGERY**

Monday, July 02, 2007

Time: 3 Hrs.

Max. Marks: 100

**Answer ALL questions.**

1. Discuss the surgical applied anatomy of the prostate glands in relation to management of benign and malignant disease.

(36 marks)

2. Write short notes on:

- 2A. Duloxitive.  
2B. Mechanism of post obstructive diuresis.  
2C. Role of Henle loop in fluid and electrolyte homeostasis.  
2D. Mechanism of recovery of renal function after ATN.  
2E. Diagnostic tests for equivocal UPJ obstruction.  
2F. Pathogenesis of recurrent UTI in females.  
2G. Pathogenesis of uric acid stone formation.  
2H. Embryology of duplex renal system.

(8×8 = 64 marks)



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M.Ch. (GENITO-URINARY SURGERY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER II: GENERAL UROLOGY

Tuesday, July 03, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

1. Discuss the tumor markers for bladder cancer and their role in early detection of Ca bladder.  
(36 marks)

2. Write short notes on:

Health Sciences Library

2A. Rapamycin.

2B. Chemotherapy of advanced Ca prostate.

2C. Role of Neoadjuvant chemotherapy in advanced Ca bladder.

2D. Treatment option for impacted 1.5cm mid ureteric stone with proximal dilation.

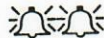
2E. Ideal indication of ESWL of renal and ureteic stone.

2F. Management of urinary leak in immediate post transplant period.

2G. Management of Gr.-III B/L verico-ureteric reflux (VUR).

2H. Malekoplakia of the bladder.

(8×8 = 64 marks)



**MANIPAL UNIVERSITY****M.Ch. (GENITO-URINARY SURGERY) DEGREE EXAMINATION – JULY 2007**  
**SUBJECT: PAPER III: RECENT ADVANCES AND SPECIALTY IN UROLOGY**

Wednesday, July 04, 2007

Time: 3 Hrs.

Max. Marks: 100

☞ Answer ALL questions.

1. Development of minimally invasive methods and newer surgical technique in the management of BPH. Please write a precise note of each modality and its long term results. (36 marks)

2. Write short notes on:

2A. Differences in mechanism and results of all three oral drugs for sexual dysfunction.

2B. Modified lymph node dissection in Ca penis.

2C. Medical management of recurrent stone former.

2D. Cochrane review and meta-analysis.

2E. Advantage of Robotic assisted surgery over lap and open surgery.

2F. Recent advances in the management of stress incontinence.

2G. Antibody induction in renal transplantation.

2H. Substitutes for urethral replacement.

(8×8 = 64 marks)

