

MARCH - 1990

57

M.Ch. DEGREE EXAMINATION, MARCH 1990.

(Higher Specialities)

Branch IV — Genitourinary Surgery

**GENITOURINARY SURGERY — BASIC SCIENCES AND
MEDICAL UROLOGY**

Time : Three hours.

Answer ALL the questions.

- 1 Discuss the physiology of erection of pen's.**
- 2. Discuss immunosuppressive therapy in Renal transplantation.**

Write short notes on :

- (a) GNRH agonists in CA. prostate.**
- (b) 4-Fluoroquinolones.**
- (c) Flow cytometry.**
- (d) Role of imaging in cryptorchidism.**

SEPTEMBER - 1990

252

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1990.

(Higher Specialities)

Branch IV — Genito Urinary Surgery

Paper I — GENITO URINARY SURGERY — BASIC
SCIENCES AND MEDICAL UROLOGY

Time : Three hours

Answer ALL the questions.

1. Discuss the present role of urodynamic evaluation for lower urinary tract dysfunctions.
2. Discuss how will you evaluate a patient with recurrent stone formation.
3. Write short notes on :
 - (a) Cavernosometry.
 - (b) OKT 3.
 - (c) DNA gyrase inhibitors.
 - (d) Prostatic specific antigen.

MARCH - 1991

M.Ch. DEGREE EXAMINATION, MARCH 1991

(Higher Specialities)

Branch IV — Genito Urinary Surgery

**Paper I — GENITO URINARY SURGERY — BASIC
SCIENCES AND MEDICAL UROLOGY**

Time : Three hours.

Answer ALL the questions.

**1. Discuss the pathophysiology of vesico-ureteric
reflux**

**2. Discuss the physiology of erection and the manage-
ment of priapism.**

Write short notes on :

- (a) Hyperchloraemic acidosis.**
 - (b) Rhabdo sphincter.**
 - (c) Medullary sponge kidney.**
 - (d) Chlamydia.**
 - (e) Prostaglandin E₂.**
-

SEPTEMBER - 1991

356

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1991

Branch IV — Genito Urinary Surgery

**Paper I — GENITO URINARY SURGERY —
BASIC SCIENCES AND MEDICAL UROLOGY**

Time Three hours Maximum 100 marks

Answer All question

1. Discuss the pathology and natural history of benign prostatic hyperplasia. (25 marks)

Discuss the physiology of spermatogenesis (25 marks)

3 Write short notes on (5×10=50 marks)

(a) Nephrolithiasis in renal tubular acidosis

(b) Current role of urethral pressure profile as an investigative modality.

(c) 5-alpha reductase

(d) Benign cystic nephroma

(e) Bloomylin.

MARCH - 1992

356]

M.Ch. DEGREE EXAMINATION March 1992.

Branch IV

**Paper I — GENITO-URINARY SURGERY — BASIC
SCIENCES AND MEDICAL UROLOGY**

Time Three hours.

Maximum 100 marks.

Describe the metabolic consequences of intestinal substitutes in Urology. (25 marks)

1. Describe the sequence of events; structural, functional and metabolic in the kidney in obstruction. (25 marks)

Write short notes on: (5 × 10 = 50 marks)

- (a) Prostate specific antigen.**
- (b) Pathogenesis of endotoxic shock.**
- (c) Phenoxy benzamine.**
- (d) Pressure flow relationships.**
- (e) Blood supply of testes.**

NOVEMBER - 1993

[P R 332]

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Genito Urinary Surgery

(Old / New Regulations)

Part I

**Paper I — GENITO URINARY SURGERY, BASIC SCIENCES
AND MEDICAL UROLOGY**

Time : Three hours. Maximum : 100 marks.

Answer ALL questions.

1. Describe the modes of urinary tract and intraprostatic biochemical environmental imbalances which are postulated to favour the formation of various types of calculi in these structures. (25 marks)
2. Discuss the known and postulated epidemiological concerns related to urothelial carcinoma which could be of value towards its prophylaxis. (25 marks)
3. Write short notes on :
 - (a) Interstitial cystitis.
 - (b) Medical treatment for obstructing benign prostatic hyperplasia (BPH).
 - (c) Use of 1% alum irrigation for haematuria.
 - (d) Testicular and epididymal appendages.
 - (e) Endocrinally functional renal cell carcinoma.

————— (5 × 10 = 50 marks)

APRIL - 1994

(Higher Specialities)

Branch IV - Genito Urinary Surgery

(Old/New Regulations)

Part I

**Paper I - GENITO URINARY SURGERY, BASIC SCIENCES
AND MEDICAL UROLOGY**

hours

Max. marks: 100

Answer ALL questions

Discuss the embryology of normal ureteral bud development and briefly mention the clinically important congenital or acquired entities caused by non- or maldevelopment of this structure. (Investigation and treatment concerns not wanted)

(25)

Describe the epidemiology, mode of entry and spread, pathology and natural history of untreated hydatid disease in the urinary tract. (Investigative methodology not wanted)

(25)

Write short notes on: (5 x 10 = 50)

- a. Eosinophilic cystitis**
- b. Prostatic needle aspiration versus core biopsy**
- c. Rationale for using low dose long term anti-biotic prophylaxis for recurrent acute cystitis in a female**
- d. Mullerian regression factor in andrology**
- e. Inverted papilloma**

APRIL - 1995

[SB 132]

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch IV — Genito Urinary Surgery

(Old/New Regulations)

Part I

**Paper I — GENITO URINARY SURGERY, BASIC SCIENCE
AND MEDICAL UROLOGY**

Time Three hours

Maximum 100 m

Answer ALL questions.

1. Describe the natural anti-infective vesico-urethral mechanisms existent in both sexes. Detail how congenital orquired disturbances or alterations in these factors could result in cysto-urethritis of various types.

(Investigative and treatment concerns not wanted)

2. Describe the pharmacological compounds used for relief of obstructing benign prostatic hyperplasia (BPH). Mention the selection criteria for adoption of this method over other forms of therapy, its limitations, contraindications, side effects and failure rates.

3. Write short notes on : (5 x 10 = 50)

(a) Gallium versus Indium labelled radionuclide scanning for diagnosis of inflammatory lesions.

(b) Rationale for use of bethanecol (urecholene) for urinary tract malocoplakia.

(c) Prostatitis, prostatosis and prostatodynia.

(d) Cysts of the caput epididymis (head).

(e) Os penis.

APRIL - 1996

AK 61

M.Ch. DEGREE EXAMINATION

..2..

(Higher Specialities)

Branch IV - Genito-Urinary Surgery

(Old/New Regulations)

Paper I - GENITO-URINARY SURGERY, BASIC SCIENCES AND
MEDICAL UROLOGY

Time: Three hours

Max. marks:100

Answer All Questions

1. Describe the preconditions, associations, pathogenesis, clinical manifestations, diagnostic features complications and treatment choices for renal papillary necrosis. (25)
2. A 55 year old male who is on medication for known Parkinson's disease, presents with acute urinary retention. Project a logical prioritized diagnostic and therapeutic urologic approach based on dilemmas to be sorted out, anticipated indications, contra-indications, choices, failure rates and complications of urologic manipulation techniques, drugs or major surgery, and a holistic attitude towards total pre-operative and post-operative concerns in interplay with other major body system involvement (eg.Chest, central nervous system) and patient costs and logistic (travel and follow-up anxieties) worries. (Details of diagnostic & therapeutic techniques not required) (25)

3. Write short notes on:

- (a) Kaposi's sarcoma of the penis
- (b) Congenital polyps of the prostatic urethra
- (c) Papillary cystitis
- (d) Inverted papilloma of the bladder
- (e) Testicular in situ carcinoma - its detection, histological appearance and implications. (5x10=50)

APRIL - 1997

MP 42

M.Ch. DEGREE EXAMINATION
(Higher Specialities)

Branch IV - Genito-Urinary Surgery
(Revised Regulations)

Paper I - Basic Sciences as applied to
Genito-Urinary Surgery

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the development of the gonads and external genitalia. Discuss the management of female pseudo hermaphroditism. (25)
2. Describe the lymphatic drainage of the prostatic gland, and discuss its clinical relevance in the management of cancer prostate. (25)
3. Write briefly on: (5x10=50)

Immuno-reactivity of normal urothelium

(b) Melako phakia

Tumour markers

Medullary sponge kidney

Chromocystoscopy.

OCTOBER - 1997

MS 25

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch IV - Genito-Urinary Surgery

(Revised Regulations)

Paper I - BASIC SCIENCES APPLIED TO
GENITO-URINARY SURGERY

Time: Three hours

Max. marks:100

Answer All Questions

1. Discuss the surgical anatomy of the ureter with special reference to ureteroscopy. (25)
2. Describe the physiology of penile erection and its relevance in the diagnosis of impotence. (25)
3. Write briefly on: (5x10=50)
 - (a) Peyronie's disease
 - Flow Cytometry in urology
 - Leak point pressures
 - (d) Rapid sequence intravenous urography
 - (e) Asthenospermia.

APRIL - 1998

SV 47

M.Ch. DEGREE EXAMINATION
(Higher Specialities)

Branch IV - Genito-Urinary Surgery
(Revised Regulations)

Paper I - BASIC SCIENCES APPLIED TO
GENITO-URINARY SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the arterial anatomy of the kidney and discuss its significance in surgery. (25)
2. Describe broadly the physiological principles of micturition. (25)
3. Write briefly on: (5x10=50)
 - Xanthoma cells
 - Inferior Venacavography
 - (c) Erythropoietin
 - Perfusion chemolysis of renal stones
 - (e) Nonneurogenic neurogenic bladder.

OCTOBER - 1999

[KA 044]

Sub. Code : 1651

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Genito-Urinary Surgery

(Revised Regulations)

**Paper I — BASIC SCIENCE APPLIED TO GENITO-
URINARY SURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the anatomy of prostate gland with special reference to radical prostatectomy. (25)
2. Discuss the role of Urodynamic studies in urological practice. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Renal Oncocytoma
 - (b) Peyronie's disease
 - (c) Diuretic renography
 - (d) Detrusor-sphincter Dyssynergia
 - (e) Double - J Stent.

APRIL - 2000

[KB 044]

Sub. Code : 1651

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Genito Urinary Surgery

(Revised Regulations)

Paper I — BASIC SCIENCES AS APPLIED TO
GENITO-URINARY SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the mechanism of secretion of urine. (25)
 2. Discuss the embryology of horse-shoe kidney and management of bilateral stag horn calculi in horse-shoe kidney. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Urethral Pressure Profile.
 - (b) Seminal Fructose.
 - (c) Hopkins-II Telescope.
 - (d) Urachus.
 - (e) Clomiphene Citrae.
-

OCTOBER - 2000

[KC 044]

Sub. Code : 1651

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch IV — Genito Urinary Surgery

(Revised Regulations)

**Paper I — BASIC SCIENCES AS APPLIED TO
GENITO URINARY SURGERY**

Time : Three hours, Maximum : 100 marks

Answer ALL questions.

1. Discuss embryology of testicular descent and management of bilateral abdominal testes. (25)
2. Discuss physiology of erection and management of erectile impotence. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Uretero pyeloscope
 - (b) Micturiting cysto urethrogram
 - (c) Priapism
 - (d) Creatinine clearance
 - (e) Morphology of spermatozoa.