

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS OF COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT PROFESSOR (Super Speciality) PAEDIATRIC UROLOGY MEDICAL EDUCATION DEPARTMENT**

### **(I) Development and Prenatal Urology-**

- (a) Embryology of the Genitourinary Tract
- (b) Urologic Aspects of Paediatric Nephrology
- (c) Perinatal Urology

### **(II) Basic Principles of Pediatric Urology-**

- (a) Urologic Evaluation of the Child
- (b) Paediatric Urogenital Imaging
- (c) Infection and Inflammation of the Paediatric Genitourinary Tract
- (d) Core Principles of Perioperative Management in Children
- (e) Principles of Laparoscopic and Robotic Surgery in Children

### **(III) Lower Urinary Tract Conditions-**

- (a) Clinical and Urodynamic Evaluation of Lower Urinary Tract Dysfunction in Children
- (b) Management Strategies for Vesicoureteral Reflux
- (c) Bladder Anomalies in Children
- (d) Exstrophy-Epispadias Complex
- (e) Prune-Belly Syndrome
- (f) Posterior Urethral Valves
- (g) Neuromuscular Dysfunction of the Lower Urinary Tract in Children
- (h) Functional Disorders of the Lower Urinary Tract in Children
- (i) Management of Defecation Disorders
- (j) Lower Urinary Tract Reconstruction in Children

### **(IV) Upper Urinary Tract Conditions-**

- (a) Anomalies of the Upper Urinary Tract
- (b) Renal Dysgenesis and Cystic Disease of the Kidney
- (c) Pathophysiology of Urinary Tract Obstruction
- (d) Ectopic Ureter, Ureterocoele, and Ureteral Anomalies
- (e) Surgery of the Ureter in Children
- (f) Management of Paediatric Kidney Stone Disease

### **(V) Genitalia-**

- (a) Management of Abnormalities of the External Genitalia in Boys
- (b) Hypospadias
- (c) Etiology, Diagnosis, and Management of the Undescended Testis
- (d) Management of Abnormalities of the Genitalia in Girls
- (e) Disorders of Sexual Development

**(VI) Reconstruction and Trauma-**

- (a) Surgical Management of Differences of Sexual Differentiation and Cloacal and Anorectal Malformations
- (b) Adolescent and Transitional Urology
- (c) Urologic Considerations in Paediatric Renal Transplantation
- (d) Paediatric Genitourinary Trauma

**(VII) Paediatric Urology Oncology-**

- (a) Renal and Adrenal Tumours
- (b) Bladder, Genital and Testis Tumours

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**Pattern of Question Papers:**

1. Objective Type Paper
2. Maximum Marks: 150
3. Number of Questions: 150
4. Duration of Paper : 2.30 Hours
5. All Questions carry equal marks
6. There will be Negative Marking

(For every wrong answer one-third of the marks prescribed for that Particular question shall be deducted.)

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