

**GENITO URINARY SURGERY (UROLOGY)**

PAPER – I

GUS/J/15/13/I

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1.	a) Anatomy and physiology of epididymis. b) Surgical methods which are used for vasectomy reversal.	(3+3)+4
2.	a) Embryological basis of complete duplication of ureter. b) Management of the ectopic ureter in duplex kidney with non-functional upper moiety of the kidney.	6+4
3.	a) Benign tumors of the kidney. b) Macroscopic and microscopic features of oncocytoma.	4+6
4.	a) Principles of Doppler Ultrasonography. b) Uses of Doppler Ultrasonography in Urological practice.	4+6
5.	a) Enumerate xanthine oxidase inhibitors. b) Pharmacokinetics, pharmacodynamics, dosage and side effects of allopurinol.	2+8
6.	a) Natural defense mechanisms against UTI. b) Physiological changes in urinary tracts during pregnancy.	5+5
7.	a) Risk factors of emphysematous pyelonephritis. b) Prognostic indicators in emphysematous pyelonephritis.	4+6
8.	Types, pathophysiology and management of primary hyperoxaluria.	2+4+4
9.	a) Enumerate the urological injuries associated with fracture of the pelvis. b) Diagnosis and management of extraperitoneal rupture of urinary bladder.	2+(4+4)
10.	Double blind randomized trial.	10

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