

**GENITO URINARY SURGERY (UROLOGY)**

**PAPER – I**

GUS/D/17/13/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 question 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. Embryology of unilateral absence of vas deferens and associated anomalies seen in this condition. 5+5
2. Vascular anatomy of kidney with specific relevance to PCNL. 5+5
3. Discuss the venous drainage of penis. Describe Venocclusive mechanism of penile erection. 5+5
4. What are the causes of hyponatremia in Urological practice? How is it managed? 5+5
5. What are the pathological sub-types of renal cell carcinoma? What is their prognostic implication? 6+4
6. Explain lead time bias and length time bias in the context of PSA screening for prostate cancer. 5+5
7. What are allocation concealment and blinding in randomized trials? How can these be achieved? 5+5
8. Uroflowmetry parameters, patterns and their interpretation. 3+3+4
9. Enumerate and give brief description of different radionuclide agents and their uses in Urological practices. 5+5
10. Mechanism of action of m-TOR and VEGF inhibitor drugs in RCC. 5+5

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