

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:

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| 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 |
