



GENITO URINARY SURGERY

PAPER - I

GUS/J/14/13/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.

1. Describe the surgical anatomy of anterior urethra and clinical implications (applied anatomy) of its blood supply. 5+5
2. Describe the embryological basis of undescended testes. What are the complications of undescended testes and how would you manage them? 5+(2+3)
3. What are the acid-base balance mechanisms of kidney? Discuss in brief the types of renal tubular acidosis. 6+4
4. What are Gleason's grades and score? Discuss its clinical significance. 5+5
5. Describe the prerequisites and semen processing for in-vitro fertilization (IVF). 4+6
6. When do you suspect hyperparathyroidism in a patient? How would you investigate such a patient? 5+5
7. Describe the pathophysiology and diagnosis of septic shock. Outline the management of septic shock. (4+3)+3
8. What do you mean by parametric and nonparametric data? What statistical tests are performed to find out the significance of difference in these data between two groups? 4+6
9. What is tuberous sclerosis? Describe the urological problems associated with it and their management. 2+8
10. What is the aetiopathogenesis of Peyronie's disease? Describe the management outline of Peyronie's disease. 4+6