1. Discuss the principles and usage of Robotic Surgery. 4+6

2. Classify congenital anomalies of kidney and ureter. What are the clinical features of Adult Polycystic Kidney Disease? Enumerate the principles of managing this condition. 3+4+3

3. Briefly describe the physiology of normal urinary bladder function (storage and voiding of urine). Enumerate with indications various treatment options for a patient suffering from benign prostate enlargement. 5+5

4. What are HLA antigens and what is their significance? Briefly describe types of allograft rejection. 5+5

5. Describe in short various energy sources used for cutting and coagulation during surgery. Enumerate their advantages and disadvantages. 6+4

6. Discuss the various investigations you will do in a case of stricture urethra. How will you treat a case of stricture of posterior urethra? 4+6

7. Briefly describe etiology and clinical staging of carcinoma penis. Discuss in brief the management of inguinal lymph nodes in such a case. (2+4)+4

8. Describe the embryology of testis and epididymis. What are the consequences of undescended testis? 5+5

9. Describe the etiopathology of renal calculi. Enumerate the indications, contraindications and complications of ESWL. 4+(2+2+2)

10. Enumerate various blood components available for clinical use. Briefly describe the indications for their use. 4+6

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