

FINAL EXAM  
JUNE 2014

NATIONAL BOARD OF EXAMINATIONS

**GENERAL SURGERY****PAPER – IV**

SURG/J/14/12/IV

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. 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