

FINAL EXAM
DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

GENITO URINARY SURGERY

PAPER – III

GUS/D/15/13/III

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.

Write short notes on:

1.	Role of gene therapy in Urology.	10
2.	Current status of thermal ablative therapies in renal cell carcinoma.	10
3.	Mention the different methods of GFR estimation and their importance in the urological practice.	10
4.	Different types of LASER used in the management of benign prostatic hyperplasia.	10
5.	Role of nanotechnology in the management of urological malignancies.	10
6.	a) Mechanism of action of Botulinum toxin. b) Role of Botulinum toxin in the urological practice.	5+5
7.	Sacral neuromodulation in the urological practice.	10
8.	a) Define Natural Orifice Transluminal Endoscopic Surgery (NOTES). b) Enumerate the different routes used for NOTES. c) Limitations of NOTES in relation to urological practice.	2+2+6
9.	Role of calcium channel blockers and alpha adrenergic blockers for stone expulsion therapy.	5+5
10.	Advances in ureteral stent design and their advantages and disadvantages.	5+5
