

**UROLOGY**

**PAPER-III**

Time: 3 hours

URO/D/20/13/III

Max. Marks:100

**Important Instructions:**

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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. What are urologic conditions associated with metabolic syndrome in aging men? Describe the various renal conditions where metabolic syndrome plays a role. 5+5
2. What are the causes of retrograde ejaculation? How do you manage a case of infertility due to retrograde ejaculation? 3+7
3. What is nocturnal penile tumescence monitoring? What are its indications? Enumerate the pharmacological therapies available for erectile dysfunction. Write side effects of sildenafil. 3+3+2+2
4. How do you evaluate a man with Peyronie's disease? What are various intra-lesional therapies? Describe their rationale. 3+4+3
5. After adequate control of penile cancer, describe the risk-based management of inguinal region and draw treatment algorithm. 5+5
6. Discuss the advantages and disadvantages of transecting versus non-transecting urethroplasties. Describe the different types of non-transecting urethroplasties. 4+6
7. Describe the common histologic subtypes of renal cell carcinoma. What are the target populations where screening for renal cell carcinoma is indicated? 5+5
8. What are adverse reactions of intravascular contrast media? What is the treatment of contrast reactions? 4+6
9. What are the different types of Positron Emission Tomography in men with prostate cancer? What is the role of each in cancer prostate? 5+5
10. What are the differences between pulsed and continuous wave lasers? What are the types of lasers used in Urology? Describe Thulium:YAG laser in detail. 3+4+3

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