

GENITO URINARY SURGERY (UROLOGY)
PAPER-IITime: 3 hours
Max. Marks:100

GUS/J/19/13/II

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. Define angiogenesis. Specify the activators and inhibitors of tumour angiogenesis used in urological diseases. Mention the important adverse effects of use of such agents. 2+4+4
2. a) Classify iatrogenic ureteral injuries. 2+(4+4)
b) Diagnosis and outline of management of ureteral injuries during obstetrical & gynecological surgery.
3. Indications, justifications and outline of active surveillance for small renal masses. 2+4+4
4. Idiopathic Retroperitoneal Fibrosis: Pathogenesis, diagnosis and outline of management. 3+3+4
5. Describe the anatomy of pelvic lymph nodes. Define the extent of standard and extended pelvic lymph node dissection for management of invasive TCC of urinary bladder. 5+5
6. What is prostate specific membrane antigen (PSMA)? Discuss role of PSMA PET CT Scan in diagnosis and follow up of adenocarcinoma of prostate. 4+(3+3)
7. Discuss the options of management of a 13 mm sized kidney stone in lower pole calyx. Discuss the pros & cons of each options. 4+6
8. Define goals of management for a 15-year-old girl with solitary functioning right kidney, contracted urinary bladder (capacity of 25-30 ml) and nadir serum creatinine of 1.5 mg/dl who completed ATT for GU tuberculosis one year back. Discuss the various options of management with pros and cons of each. 2+8

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PAPER-II

9. Describe the presenting features, diagnosis, and staging for cancer of penis. Discuss indication and options of treatment with organ preservation for a 50-year-old man with squamous cell carcinoma of penis. (2+2+2)+(2+2)
10. Diagnosis and management options of urinary bladder injuries following blunt abdominal trauma. 5+5

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