

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Urology Paper3
<b>Subject Name :</b>	DrNB Urology Paper3
<b>Creation Date :</b>	2022-06-25 17:21:37
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Urology Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871203
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB Urology Paper3

<b>Section Id :</b>	3271871206
<b>Section Number :</b>	1

**Section type :** Offline  
**Mandatory or Optional :** Mandatory  
**Number of Questions to be attempted :** 10  
**Section Marks :** 100  
**Enable Mark as Answered Mark for Review and Clear Response :** Yes  
**Maximum Instruction Time :** 0  
**Sub-Section Number :** 1  
**Sub-Section Id :** 3271871210  
**Question Shuffling Allowed :** No

**Question Number : 1 Question Id : 32718711082 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Discuss the applications of Tissue engineering in Urology. What advances have been made in the application of tissue engineering in stricture urethra? [5+5]

**Question Number : 2 Question Id : 32718711083 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) Covid Nephropathy. [5]  
b) Describe the pathogenesis, evaluation and management of Covid Mucormycosis of the kidney. [5]

**Question Number : 3 Question Id : 32718711084 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) Discuss the application of Artificial Neural Networks in Urology (ANN). [4]
- b) Describe the various robotic systems that are available in Urology. [3]
- c) Augmented reality. [3]

**Question Number : 4 Question Id : 32718711085 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) Discuss the etiopathogenesis, evaluation and management of a person who is diagnosed with Oligoasthenozoospermia. [7]
- b) Sperm cryopreservation. [3]

**Question Number : 5 Question Id : 32718711086 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the etiopathogenesis and theories related to the development of Varicocele. Discuss the minimally invasive surgical techniques used for treatment of Varicocele. [5+5 ]

**Question Number : 6 Question Id : 32718711087 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the various causes of Acute on Chronic renal failure that is seen in clinical practice by a urologist. Discuss in detail the evaluation and management of Hyperkalemia. Discuss in brief the various methods to find out GFR clinically (Not Radiologically). [4+3+3 ]

**Question Number : 7 Question Id : 32718711088 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the etiopathogenesis, evaluation and management of Septic shock syndrome. What is antibiogram and how is it interpreted? [5+5]

**Question Number : 8 Question Id : 32718711089 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the etiopathogenesis, evaluation and surgical management of Peyronie's disease. Discuss the use of different drugs and modalities with limitations, in the non surgical management of Peyronie's disease. [5+5]

**Question Number : 9 Question Id : 32718711090 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe chyluria and its management. Describe the surgical remedies for the complicated and resistant chyluria. [5+5]

**Question Number : 10 Question Id : 32718711091 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the basic principles of laser. Describe the various lasers that are used in urological practice. Discuss the various complications of different types of lasers. [4+3+3]