

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Paediatric Surgery Paper3
<b>Subject Name :</b>	DrNB Paediatric Surgery Paper3
<b>Creation Date :</b>	2023-10-15 15:58:55
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## DrNB Paediatric Surgery Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872592
<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>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 Paediatric Surgery Paper3

<b>Section Id :</b>	3271872595
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872599
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718726453 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

**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. a) Describe the different syndromic associations of Hirschsprung disease. [4]
- b) What are the various genetic changes associated with Hirschsprung disease? [3]
- c) What is the pathogenesis of Hirschsprung associated enterocolitis? [3]

**Question Number : 2 Question Id : 32718726454 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Describe the metabolic derangements in a child with posterior urethral valve and their management. [3+4]

b) Describe the options for urinary diversion in cases of posterior urethral valves. [3]

**Question Number : 3 Question Id : 32718726455 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) What are the management options for congenital pouch colon? [4]

b) What is posterior cloaca? [2]

c) What are the causes of urinary obstruction in a case of cloaca? [4]

**Question Number : 4 Question Id : 32718726456 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Classify vascular malformations. [6]

b) What is the role of pharmacotherapy (drugs) in the management of haemangiomas? [4]

**Question Number : 5 Question Id : 32718726457 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe the cerebrospinal fluid circulation pathway. [3]

b) Describe endoscopic third ventriculostomy. [3]

c) What are the complications of ventriculoperitoneal shunt? [4]

**Question Number : 6 Question Id : 32718726458 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe the surgical options for distal penile hypospadias. [6]

b) What is balanitis xerotica obliterans? [2]

c) How is balanitis xerotica obliterans managed? [2]

**Question Number : 7 Question Id : 32718726459 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) What is docking in robotic surgery? [4]
- b) What are the advantages of robotic ureteric reimplantation? [3]
- c) Describe the steps of robotic ureteric reimplantation. [3]

**Question Number : 8 Question Id : 32718726460 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) What is a stem cell? [2]
- b) What are the sources of stem cells? [2]
- c) What are the possible applications of stem cell therapy in Pediatric Surgery? [6]

**Question Number : 9 Question Id : 32718726461 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) What are 46 XX DSD? [3]
- b) What are the different types of ovotesticular DSD? [4]
- c) What are the medical treatment options for salt wasting congenital adrenal hyperplasia? [3]

**Question Number : 10 Question Id : 32718726462 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) What are the principles of achieving surgical hemostasis using ultrasonic energy resource? [3]

b) What are the principles of achieving surgical hemostasis using bipolar cautery as an energy resource? [3]

c) What is the full form of CUSA? How does a CUSA work? [2+2]