

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Paediatric Surgery Paper1
<b>Subject Name :</b>	DrNB Paediatric Surgery Paper1
<b>Creation Date :</b>	2023-04-25 11:44:42
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Paediatric Surgery Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	327187772
<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 Paper1

<b>Section Id :</b>	327187775
<b>Section Number :</b>	1
<b>Section type :</b>	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 :** 327187779

**Question Shuffling Allowed :** No

**Is Section Default? :** null

**Question Number : 1 Question Id : 32718720973 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) Discuss the challenges in applied tissue engineering with respect to pediatric surgical conditions. [6]
- b) Discuss role of molecular imaging. [4]

**Question Number : 2 Question Id : 32718720974 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) Discuss various hemostatic and tissue ablative instruments used in pediatric surgery. [4]
- b) Discuss role of image guided therapy. [3]

c) Discuss clinical applications of stereotactic radiosurgery in children. [3]

**Question Number : 3 Question Id : 32718720975 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) Discuss metabolic response to stress in relation to operative trauma. [4]
- b) Acquired thrombocytopenia in post-operative neonates. [3]
- c) Discuss differences between high frequency ventilation and conventional ventilation. [3]

**Question Number : 4 Question Id : 32718720976 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) Principles of pre-operative and intra-operative fluid and blood replacement in emergency cases. [5]
- b) Management of a child with splenic trauma. [5]

**Question Number : 5 Question Id : 32718720977 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) Discuss role of molecular diagnostics in pediatric tumors. [3]
- b) Principles of radiation therapy. [4]
- c) Role of hematopoietic stem cell transplantation after chemotherapy and radiotherapy. [3]

**Question Number : 6 Question Id : 32718720978 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) Genetic associations with Wilms' tumor. [3]

- b) Management of bilateral Wilms' tumour. [4]
- c) Prognostic factors for renal tumours in children. [3]

**Question Number : 7 Question Id : 32718720979 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) Enumerate the indications of hepatic transplantation in children. [2]
- b) Discuss the operative challenges involved in small children undergoing hepatic transplant, their corrective measures and post operative care. [6]
- c) Briefly discuss post transplantation outcomes of hepatic transplant in children. [2]

**Question Number : 8 Question Id : 32718720980 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) Discuss tumor biology of rhabdomyosarcoma (RMS). [3]
- b) Management of lymph nodes in RMS. [3]
- c) Management of RMS in genito urinary sites. [4]

**Question Number : 9 Question Id : 32718720981 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 essential considerations while framing a research question? [3]
- b) Ways to eliminate bias in a research study. [4]
- c) Case control study. [3]

**Question Number : 10 Question Id : 32718720982 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) Antenatal diagnosis of surgical birth defects. [5]
- b) Maintaining principles of thermoregulation during transport and surgery of newborns. [5]