

National Board of Examinations

Question Paper Name : DrNB Neuro Anaesthesia Paper1
Subject Name : DrNB Neuro Anaesthesia Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740764 Consider As Subjective : Yes

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 blood supply of the spinal cord. [6]
b) Discuss the clinical significance of the blood supply to the spinal cord. [4]

Question Number : 2 Question Id : 32718740765 Consider As Subjective : Yes

- a) Ischemic pre-conditioning. [5]
b) Apoptosis. [5]

Question Number : 3 Question Id : 32718740766 Consider As Subjective : Yes

- a) Enumerate the nerves supplying the scalp. [4]
- b) Discuss scalp block for awake craniotomy surgery. [6]

Question Number : 4 Question Id : 32718740767 Consider As Subjective : Yes

- a) Sugammadex. [5]
- b) Ketofol. [5]

Question Number : 5 Question Id : 32718740768 Consider As Subjective : Yes

- a) Non-invasive techniques for measurement of cerebral oxygenation. [3]
- b) Non-invasive techniques for measurement of cerebral autoregulation. [3]
- c) Non-invasive techniques for measurement of ICP. [4]

Question Number : 6 Question Id : 32718740769 Consider As Subjective : Yes

- a) Blood brain barrier and its significance. [5]
- b) Cerebrospinal fluid formation and circulation. [5]

Question Number : 7 Question Id : 32718740770 Consider As Subjective : Yes

- a) Discuss the various types of brain edema. [5]
- b) Role of steroids in management of brain edema. [5]

Question Number : 8 Question Id : 32718740771 Consider As Subjective : Yes

Discuss the flow metabolism coupling and the effect of anaesthetic agents on it. [10]

Question Number : 9 Question Id : 32718740772 Consider As Subjective : Yes

- a) Motor evoked potentials [5]
- b) Electromyography [5]

Question Number : 10 Question Id : 32718740773 Consider As Subjective : Yes

- a) Fisher's exact test. [5]
- b) Quantitative versus qualitative data. [5]