

National Board of Examinations

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| Question Paper Name : | DrNB Neuro Anaesthesia Paper3 |
| Subject Name : | DrNB Neuro Anaesthesia Paper3 |
| Creation Date : | 2021-08-26 19:34:05 |
| Duration : | 180 |
| Total Marks : | 100 |
| Display Marks: | No |

DrNB Neuro Anaesthesia Paper3

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| Group Number : | 1 |
| Group Id : | 327187366 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Break time : | 0 |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |

DrNB Neuro Anaesthesia Paper3

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| Section Id : | 327187369 |
| Section Number : | 1 |
| Section type : | Offline |
| Mandatory or Optional : | Mandatory |

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| Number of Questions : | 10 |
| Number of Questions to be attempted : | 10 |
| Section Marks : | 100 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 327187373 |
| Question Shuffling Allowed : | No |

Question Number : 1 Question Id : 3271872181 Question Type : SUBJECTIVE

Correct Marks : 10

Enumerate the causes of neurological deterioration after an aneurysmal subarachnoid hemorrhage (aSAH). Briefly discuss the etio-pathogenesis of delayed cerebral ischemia (DCI) after aSAH. Elucidate the measures that can be implemented for prevention and management of DCI after aSAH. [2+3+5]

Question Number : 2 Question Id : 3271872182 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Criteria for diagnosing Brain death. [5]
- b) Post-cardiac arrest neuro-prognostication. [5]

Question Number : 3 Question Id : 3271872183 Question Type : SUBJECTIVE

Correct Marks : 10

What should be the blood pressure targets in the following situations:

- a) Patient with an acute intracerebral hemorrhage. [5]
- b) Patient with an acute ischemic stroke. [5]

Question Number : 4 Question Id : 3271872184 Question Type : SUBJECTIVE

Correct Marks : 10

a) What specific measures would you take to reverse the coagulopathy in a patient with an intracerebral hemorrhage who is taking:

i) Warfarin. [2]

ii) Dabigatran. [2]

iii) Enoxaparin. [2]

iv) Aspirin and Clopidogrel. [2]

b) What assays can be used for assessing the effect of your reversal strategies in the above situations? [2]

Question Number : 5 Question Id : 3271872185 Question Type : SUBJECTIVE

Correct Marks : 10

Discuss the role of the following interventions in the management of traumatic brain injury:

a) Decompressive craniectomy. [5]

b) Cerebrospinal fluid drainage. [5]

Question Number : 6 Question Id : 3271872186 Question Type : SUBJECTIVE

Correct Marks : 10

A patient who was previously diagnosed with myasthenia gravis presents to the neuro-emergency with respiratory insufficiency.

a) What would be the criteria for endotracheal intubation and invasive mechanical ventilation in this situation? [3]

b) Briefly discuss the ventilatory goals and the weaning criteria for this patient. [4]

c) What is the role of steroids in this situation? [3]

Question Number : 7 Question Id : 3271872187 Question Type : SUBJECTIVE

Correct Marks : 10

a) What is the purpose of meta-analysis? [2]

b) In a meta-analysis, what is the relevance of the following parameters:

i) Funnel plot. [3]

ii) Forest plot. [5]

Question Number : 8 Question Id : 3271872188 Question Type : SUBJECTIVE

Correct Marks : 10

a) Discuss the potential causes of hemodynamic instability in a patient with acute thoracic spine injury at the level of T1-T3 segment. [5]

b) Describe the management strategy in such a situation? [5]

Question Number : 9 Question Id : 3271872189 Question Type : SUBJECTIVE

Correct Marks : 10

a) What are the criteria for diagnosis of refractory status epilepticus and super-refractory status epilepticus? [2+2]

b) What are the management options for refractory status epilepticus and super-refractory status epilepticus? [3+3]

Question Number : 10 Question Id : 3271872190 Question Type : SUBJECTIVE

Correct Marks : 10

a) Write a brief note on anesthetic drugs and the developing brain. [5]

b) Write about the anesthetic drugs and postoperative cognitive decline in elderly patients. [5]