

National Board of Examinations

Question Paper Name : DNB Anaesthesiology Paper1
Subject Name : DNB Anaesthesiology Paper1
Duration : 182
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0
Is Section Default? : No

Question Number : 1 Question Id : 32718743964 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) Draw a well labelled diagram of brachial plexus. [5]
b) Enumerate the different routes of brachial plexus block. What are the possible complications of interscalene block? [1+4]

Question Number : 2 Question Id : 32718743965 Consider As Subjective : Yes

- a) How is carbon dioxide transported in the blood? [5]
b) What is Haldane effect? How is it related to the Bohr effect? [3+2]

Question Number : 3 Question Id : 32718743966 Consider As Subjective : Yes

- a) What is diffusion capacity of lung? What are the factors which affect the diffusing capacity? [2+3]
- b) What are the factors which influence respiratory function during anaesthesia? [5]

Question Number : 4 Question Id : 32718743967 Consider As Subjective : Yes

- a) What are the anaesthetic techniques using opioids? List the different routes of applications of opioids. [3+3]
- b) What are the factors which affect the pharmacokinetics and pharmacodynamics of opioids? [4]

Question Number : 5 Question Id : 32718743968 Consider As Subjective : Yes

- a) Define cardiac output. What are the factors affecting cardiac output? [1+4]
- b) Write briefly about the non-invasive methods of cardiac output measurement. [5]

Question Number : 6 Question Id : 32718743969 Consider As Subjective : Yes

- a) What are the unique physical properties of desflurane which require a special type of vaporiser? What are the factors which influence desflurane vaporiser output? [3+2]
- b) What are volatile anaesthetic reflectors? Where are they used? [5]

Question Number : 7 Question Id : 32718743970 Consider As Subjective : Yes

- a) Define cerebral perfusion pressure. Write briefly about Cushing's triad of ICP. [2+3]
- b) Describe the blood supply of spinal cord. [5]

Question Number : 8 Question Id : 32718743971 Consider As Subjective : Yes

- a) What is p-value? How do you interpret it? [2+3]
- b) What do you understand by odds ratio? When is it used? [5]

Question Number : 9 Question Id : 32718743972 Consider As Subjective : Yes

- a) What issues are involved in informed consent? What is informed refusal? [3+2]
- b) What are the ethical issues involved in end of life decision making? [5]

Question Number : 10 Question Id : 32718743973 Consider As Subjective : Yes

- a) Describe the events that result in nerve action potential. [5]
- b) Discuss about the mechanism of action of local anesthetic agents. [5]