

National Board of Examinations

Question Paper Name :	DNB Anaesthesiology Paper1
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DNB Anaesthesiology Paper1

Group Number :	1
Group Id :	3271872696
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DNB Anaesthesiology Paper1

Section Id :	3271872699
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872703
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718728244 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Please write your answers in the answer booklet in 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. What are the various routes of administration of morphine? Mention the doses. Discuss the pharmacokinetics and pharmacodynamics of epidural morphine. [3+3+4]

Question Number : 2 Question Id : 32718728245 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- Describe a method of preoxygenation before induction of general anaesthesia. [4]
- What is the physiological basis of preoxygenation before anaesthesia? [3]
- How could the adequacy of oxygenation be assessed? [3]

Question Number : 3 Question Id : 32718728246 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- Discuss the components of the circle system. [3]
- Discuss the location of the oxygen analyser at different parts of the circle system. [4]
- What is low-flow anaesthesia? [3]

Question Number : 4 Question Id : 32718728247 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- What is the mechanism of action of sugamadex? [3]
- Discuss the role of sugamadex in anaesthetic practice with specific relevance to difficult airway scenarios and intense neuromuscular blockade for short surgical procedures. [3+4]

Question Number : 5 Question Id : 32718728248 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- What are flow volume loops? [3]
- Draw flow volume loops (with labelling) in a normal subject, in a patient with COPD and in a restrictive lung disease patient. [4]

c) What are the effects of age and posture on FRC and closing capacity? [3]

Question Number : 6 Question Id : 32718728249 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the anatomy and physiology of pain and pain transmission. Discuss various modalities of neuropathic pain management. [(3+3)+4]

Question Number : 7 Question Id : 32718728250 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

a) Describe the factors that may lead to: [4]

i) venous air embolism, and

ii) arterial air embolism.

b) What is paradoxical air embolism, and how does it occur? [3]

c) Explain the physiological basis for the use of capnography in the detection of venous air embolism. [3]

Question Number : 8 Question Id : 32718728251 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

a) What are various reporting guidelines for publications as per EQUATOR Network? [4]

b) Elaborate on CONSORT guidelines. [6]

Question Number : 9 Question Id : 32718728252 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Explain the various protocols for breaking bad news. [10]

Question Number : 10 Question Id : 32718728253 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

a) What is primary and secondary research? [3]

b) Explain various components of a research question for an experimental study. [3]

c) What are Type I and Type II errors in research? [4]