

National Board of Examinations

Question Paper Name :	DNB Anaesthesiology Paper1
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DNB Anaesthesiology Paper1

Group Number :	1
Group Id :	3271871065
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
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Anaesthesiology Paper1

Section Id :	3271871068
Section Number :	1

Section type :	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 :	3271871072
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271879702 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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) Define the anatomical extent of the upper airway. [2]
- b) Enumerate all the functions of the nose. [3]
- c) What do you mean by an anterior larynx? Discuss the nerve supply of the larynx. [5]

Question Number : 2 Question Id : 3271879703 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Draw a diagram of the oxygen dissociation curve (ODC) and enumerate causes for the shift of the ODC to the right or left. [5]
- b) What is oxygen flux and its significance? Describe the Pasteur point and its significance. [3+2]

Question Number : 3 Question Id : 3271879704 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What is the Null Hypothesis? [2]
- b) Discuss the Chi Square Test. [3]
- c) Describe p value, its calculation and relevance. [5]

Question Number : 4 Question Id : 3271879705 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Discuss the blood supply of the liver and the role of the liver in the maintenance of normal coagulation. [2+3]
- b) What is anatomical dead space, its value in adults and the relevance to anaesthesia ? [5]

Question Number : 5 Question Id : 3271879706 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Draw a labelled diagram and describe in detail the coronary circulation? How can ischemia be monitored during anaesthesia? [3 + 2]
- b) Discuss the factors that affect myocardial oxygen consumption and the clinical significance [5]

Question Number : 6 Question Id : 3271879707 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What is the Venturi principle and its uses in anaesthesia ? [2+3]
- b) What are different kind of valves that are used in anaesthesia breathing circuits or manual resuscitators ? [5]

Question Number : 7 Question Id : 3271879708 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the oculo cardiac reflex, its prevention and treatment [5]
- b) Describe the Cormack and Lehane grading with the help of a diagram and discuss its relevance for the anaesthesiologist. [5]

Question Number : 8 Question Id : 3271879709 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) What is the second gas effect and diffusion hypoxia? [1+1]
- b) Discuss the anatomy of the erector spinae plane (ESPB), indications, contraindications and complications of the block [2+2+2+2]

Question Number : 9 Question Id : 3271879710 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Define Quality? What are its domains? [2+3]
- b) What is informed consent? Discuss the legal age for consent in India and the procedure for taking consent of an unknown patient. [1+1+3]

Question Number : 10 Question Id : 3271879711 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the respiratory changes in a pregnant patient. [2]
- b) Discuss anatomy of the spinal cord and its anaesthetic significance (extent, layers, roots, main divisions, sympathetic chain). [1+1+1+1+1+3]