

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Emergency Medicine Paper1
<b>Subject Name :</b>	DNB Emergency Medicine Paper1
<b>Duration :</b>	182
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No
<b>Maximum Instruction Time :</b>	0
<b>Is Section Default? :</b>	No

**Question Number : 1 Question Id : 32718744415 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 pathophysiology of pulmonary tuberculosis infection. [6]
- b) Explain the physiological basis of hypoxic pulmonary vasoconstriction. [4]

**Question Number : 2 Question Id : 32718744416 Consider As Subjective : Yes**

- a) Discuss the nonconventional analgesics used in the emergency department. [5]
- b) Describe the mechanism of action and adverse effects of local anesthetics. [5]

**Question Number : 3 Question Id : 32718744417 Consider As Subjective : Yes**

- a) Explain the acid-base changes in salicylate poisoning. [5]
- b) Describe the compensatory mechanisms in metabolic alkalosis. [5]

**Question Number : 4 Question Id : 32718744418 Consider As Subjective : Yes**

- a) Outline the principles of fluid compartments and distribution of crystalloids with the help of a depiction. [5]
- b) Describe the pathophysiology and homeostasis of sodium. [5]

**Question Number : 5 Question Id : 32718744419 Consider As Subjective : Yes**

- a) Discuss the role of biomarkers in acute myocardial infarction. [5]
- b) Compare the scores used in emergency department for prognosticating patients with Non ST elevation MI. [5]

**Question Number : 6 Question Id : 32718744420 Consider As Subjective : Yes**

- a) Explain the pathophysiology of shock at the cellular level. [5]
- b) Discuss the concept of hemostatic hypotensive resuscitation. [5]

**Question Number : 7 Question Id : 32718744421 Consider As Subjective : Yes**

- a) Describe the anatomical landmarks and technique for lumbar puncture. [5]
- b) Discuss CSF findings in bacterial vs viral meningitis. [5]

**Question Number : 8 Question Id : 32718744422 Consider As Subjective : Yes**

- a) Describe the pharmacodynamics and pharmacokinetics of amiodarone. [5]
- b) Describe the role of etomidate in RSI and its contraindications. [5]

**Question Number : 9 Question Id : 32718744423 Consider As Subjective : Yes**

- a) Discuss the physiology, application and complications of non invasive ventilation in the emergency department. [5]
- b) Describe the complications of permanent pacemaker. [5]

**Question Number : 10 Question Id : 32718744424 Consider As Subjective : Yes**

- a) Describe the oxygen-haemoglobin dissociation curve with the help of a diagram and its clinical implications. [5]
- b) Explain the Bohr and Haldane effects. [5]