

National Board of Examinations

Question Paper Name :	DNB Emergency Medicine Paper1
Subject Name :	DNB Emergency Medicine Paper1
Creation Date :	2021-08-25 17:09:10
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DNB Emergency Medicine Paper1

Group Number :	1
Group Id :	327187367
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

DNB Emergency Medicine Paper1

Section Id :	327187370
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory

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 :	327187374
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271872191 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Draw and describe the cerebrospinal fluid production, flow and normal findings on examination. [4]
- b) Cerebrospinal fluid findings between bacterial, viral and tubercular meningitis. [3]
- c) Describe the difference between encephalitis and meningitis. [3]

Question Number : 2 Question Id : 3271872192 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Draw normal conduction system of heart. [2]
- b) Describe cardiac cellular electrophysiology. [4]
- c) Discuss various mechanism of dysarrhythmia. [4]

Question Number : 3 Question Id : 3271872193 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Pathophysiology of bronchial asthma. [4]
- b) Discuss clinical and laboratory (blood gas and pulmonary functions) parameters in a patient with severe asthma. [3]
- c) How would you teach a patient regarding use of metered-dose inhalers? [3]

Question Number : 4 Question Id : 3271872194 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Draw and describe functional unit of kidney. [4]
- b) Evaluation of renal functions. [3]
- c) Describe urinary findings of acute tubular necrosis. [3]

Question Number : 5 Question Id : 3271872195 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Organization of hospital disaster plan. [5]
- b) Pathophysiology of blast injuries. [5]

Question Number : 6 Question Id : 3271872196 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Physiology of temperature regulation to cold exposure. [3]
- b) Pathophysiological aspects of hypothermia. [4]
- c) Targetted temperature management in the Emergency Department. [3]

Question Number : 7 Question Id : 3271872197 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Draw oxygen hemoglobin dissociation curve and discuss the factors affecting it. [4]
- b) Describe rationale, indications and complications of various methods of oxygen delivery. [6]

Question Number : 8 Question Id : 3271872198 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Explain basic physics of point of care ultrasound and its clinical application. [5]
- b) Describe the utility of M-mode in point of care ultrasound. [3]
- c) Enumerate four artifacts pertaining to lung ultrasound. [2]

Question Number : 9 Question Id : 3271872199 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Pathophysiology of traumatic shock. [5]
- b) Interpretation of various components of waveform produced by thromboelastography. [5]

Question Number : 10 Question Id : 3271872200 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Colloids versus crystalloids in the management of hypovolemic shock. [3]
- b) Etiopathogenesis of metabolic alkalosis. [4]
- c) Strong ion difference. [3]