

National Board of Examinations

Question Paper Name :	DNB Emergency Medicine Paper4
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DNB Emergency Medicine Paper4

Group Number :	1
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DNB Emergency Medicine Paper4

Section Id :	327187373
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 :	327187377
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271872221 Question Type : SUBJECTIVE

Correct Marks : 10

A 1-year-old female is brought to ER with history of fall from bed. Baby is crying and inconsolable.

a) Describe the important anatomical and physiologic considerations while managing this patient?

[3]

b) Discuss PECARN versus CHALICE rules. [4]

c) Describe injuries which would suggest child abuse. [3]

Question Number : 2 Question Id : 3271872222 Question Type : SUBJECTIVE

Correct Marks : 10

A 5-year-old presents with fever, respiratory distress and drooling of saliva for two days. His oxygen saturation is 78%, BP 110/70 mm Hg and heart rate 110/minute.

a) Discuss the differential diagnosis in this case. [5]

b) Discuss the management of each differential diagnosis. [5]

Question Number : 3 Question Id : 3271872223 Question Type : SUBJECTIVE

Correct Marks : 10

a) Discuss modified Jones criteria. [3]

b) Discuss the pathophysiology of acute rheumatic fever. [3]

c) Discuss management of a patient with acute rheumatic fever. [4]

Question Number : 4 Question Id : 3271872224 Question Type : SUBJECTIVE

Correct Marks : 10

A 4-week-old presents with projectile non-bilious vomiting with preserved appetite and visible peristalsis. Baby is severely dehydrated.

- a) How will you rapidly assess and stabilize the patient? [2]
- b) What is your likely diagnosis and how will you confirm the diagnosis? [3]
- c) Discuss the differential diagnosis of recurrent vomiting in infancy, childhood and adolescence. [5]

Question Number : 5 Question Id : 3271872225 Question Type : SUBJECTIVE

Correct Marks : 10

A 2-year-old child presents with passage of watery stools for one day.

- a) Composition of oral rehydration solution. [2]
- b) Clinical features of various degrees of dehydration in this child. [4]
- c) Principles of management if child is severely dehydrated. [4]

Question Number : 6 Question Id : 3271872226 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Discuss forensic evaluation of bullet wounds [3]
- b) How will you assess age of a lacerated wound over thigh? [3]
- c) POCSO Act. [4]

Question Number : 7 Question Id : 3271872227 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Hand-over and take-over of patients at the time of change of shift in the Emergency department. [3]
- b) How to prepare a duty roster for residents of Emergency department? (2)
- c) Common medical errors in emergency department. [2]
- d) Communication skills during resuscitation. [3]

Question Number : 8 Question Id : 3271872228 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Describe CONSORT guidelines. [3]
- b) Discuss parametric versus non-parametric statistical tests. [3]
- c) Discuss Type II error with an example. [2]
- d) Discuss likelihood ratio with an example. [2]

Question Number : 9 Question Id : 3271872229 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Simulation training for emergency physicians in resource-constraint settings [4]
- b) Discuss role of telemedicine in emergency care. [4]
- c) Describe the concept of flipped classroom and its relevance to emergency medicine. [2]

Question Number : 10 Question Id : 3271872230 Question Type : SUBJECTIVE

Correct Marks : 10

Describe briefly the study designs, strengths, weaknesses and conclusions of the following trials:

- a) CRASH-III Trial. [3]
- b) RECOVERY Trial. [3]
- c) DEFUSE-3 Trial. [2]
- d) WOMAN Trial. [2]