

National Board of Examinations

Question Paper Name :	DrNB CRITICAL CARE MEDICINE Paper2
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DrNB CRITICAL CARE MEDICINE Paper2

Group Number :	1
Group Id :	3271872763
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DrNB CRITICAL CARE MEDICINE Paper2

Section Id :	3271872766
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 :	3271872770
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718728914 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

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) Enumerate the etiology and discuss the management of Atrial Fibrillation (AF) in Critical Care/ICU, including anti-arrhythmic drug therapy used for rate and rhythm control in AF. [2+6]
b) Discuss the role of anticoagulation in AF. [2]

Question Number : 2 Question Id : 32718728915 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What is QTc interval and what is the importance of QTc interval in ECG interpretation of critically ill patients. [2+2]
b) Discuss any one formula/method for calculating QTc interval and the causes of its prolongation. [4+2]

Question Number : 3 Question Id : 32718728916 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Discuss the etiopathogenesis of CLABSI (central-line associated blood stream infections) and CAUTI (catheter-associated urinary tract infections) in critical care. [2+2]
b) Describe the management protocol of CLABSI and CAUTI in ICU patients. [3+3]

Question Number : 4 Question Id : 32718728917 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the various "toxidromes" commonly encountered, with tabulation of their differentiating signs and symptoms. [5]
b) Discuss the principles of management of these toxidromes in ICU. [5]

Question Number : 5 Question Id : 32718728918 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Discuss the principles of prone position ventilation. [4]
b) Describe the evidence-based merits and de-merits of proning in ARDS patients in ICU. [3+3]

Question Number : 6 Question Id : 32718728919 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 30-year-old primigravida with history of pre-eclampsia is admitted to your ICU with suspected HELLP (Hemolysis, Elevated liver enzymes, Low platelet counts) syndrome. Describe the salient points in the evaluation, diagnosis including differential diagnosis and critical care management of a case of HELLP syndrome in ICU. [3+4+3]

Question Number : 7 Question Id : 32718728920 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Define intra-abdominal hypertension (IAH) and abdominal compartment syndrome (ACS). [2+3]
- b) Discuss the management of IAH and ACS in the ICU. [5]

Question Number : 8 Question Id : 32718728921 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What is "NUTRIC" score for nutritional assessment of critically-ill patients? [4]
- b) Discuss the pathophysiology and management of "re-feeding syndrome" in ICU. [3+3]

Question Number : 9 Question Id : 32718728922 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What is "Burn Shock"? [2]
- b) Discuss the critical care management principles and ventilatory management of a young patient with inhalational burn injury in ICU. [4+4]

Question Number : 10 Question Id : 32718728923 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Discuss the scoring systems and critical care management principles in a case of Guillain-Barré Syndrome in the ICU. [5+5]