

D.M. (SUPER SPECIALITY)
D.M. CRITICAL CARE :SUMMER- 2022
SUBJECT : PAPER – I : BASIC SCIENCES PERTAINING TO CRITICAL CARE
MEDICINE

Day : Thursday

Time : 01:00 PM-04:00 PM

Date : 1/9/2022

S-20294-2022

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
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Long questions (15 mark each)

- 1 Describe the physiology of mixed venous and central venous O₂ saturation in normal individuals. What changes occur in patients with shock?
- 2 Describe pathophysiology of ventilation perfusion mismatch. Discuss pulmonary shunt fraction and volumetric capnography derived dead space and its clinical utility.

Write notes on : (10 marks each)

- 1 Post-Antibiotic Effect (PAE)
- 2 Hepatic blood supply
- 3 p-value
- 4 Strong ion difference
- 5 Pathophysiology of hypoxic ischemic encephalopathy
- 6 Factors governing microcirculation
- 7 Cytokine storm
