

Rajiv Gandhi University of Health Sciences

D.M Degree Examination – JULY 2017

Time: Three Hours**Max. Marks: 100 Marks**

CRITICAL CARE MEDICINE - PAPER – I

QP Code: 9136

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 10 marks each)**10 x 10 = 100 Marks**

1. Define preload and after load of the heart. Describe factors influencing preload and after load and clinical implications of these factors in the critically ill.
2. Describe and draw the ventilator waveforms seen in volume control ventilation. Describe the effect seen in the scalars with change in lung mechanics.
3. Define and describe the various types of brain edema seen in the critically ill.
4. Describe the microbiological and therapeutic principles underlying treatment of febrile Neutropenia in the ICU.
5. Describe the Kaplan-Meier test and its utility in critically ill patients.
6. Compare and contrast the Stewart (SID) and standard (Boston) approach to ABG (Arterial Blood Gas) interpretation.
7. Describe your approach to EOL (End of Life) scenarios in the ICU.
8. Describe the utility of Creatinine clearance in the critically ill.
9. Describe the physiological principles which could have contributed to the initial benefits seen with tight glucose control in ICU patients.
10. Describe the patterns of MRI imaging of blood in the brain and their implications in neurocritical care.

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