

Rajiv Gandhi University of Health Sciences

D.M Degree Examination – JULY 2016

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. Describe the physiological mechanisms underlying the causes of hypoxia in Type I respiratory failure.
2. Define the principles of medical ethics as applicable to critical care.
3. Describe the physiological principles determining ventilator setting cardiogenic pulmonary oedema.
4. Discuss the principles underlying rational combination antibiotic therapy in the ICU.
5. Draw and describe a typical arterial wave form seen in septic shock.
6. Enumerate the common pathogens with their respective frequencies which can be isolated from blood culture in ICU patients at admission.
7. Describe pharmacokinetic and pharmacodynamic principles which are relevant in the critically ill patient with cardiac failure.
8. Draw and describe the normal lung finding in chest ultrasound.
9. Describe the physiological principles underlying nutritional prescription for patients with hepatic dysfunction.
10. Describe the biochemical abnormalities that can occur in ICU patients with pancreatitis.

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