

Rajiv Gandhi University of Health Sciences, Karnataka

Fellowship Examination - 16-Feb-2023

Time: Three Hours**Max. Marks: 100 Marks****PAEDIATRIC INTENSIVE CARE - PAPER – I****QP Code: 4143**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. Describe the relationship between creatinine clearance and serum creatinine concentrations. What are the potential pitfalls in using serum creatinine concentrations to assess renal function in a critically ill patient in ICU?
2. Classify the commonly used inotropic agents and list their mechanisms of action.
3. Draw and label a normal left ventricular pressure volume loop. List the information that can be obtained from this loop.
4. Outline the way in which you would evaluate the aetiology of metabolic alkalosis in the critically ill.
5. Discuss the factors that may affect your choice of antimicrobial agent in a critically ill septic patient, giving examples where relevant.
6. What are the risk factors for the development of post-extubation stridor? Briefly outline the treatment of post extubation- stridor.
7. Critically evaluate the role of nitric oxide in the management of the critically ill patient.
8. Compare and contrast the advantages and disadvantages of humidification of a ventilator circuit using a wet circuit versus a Heat and Moisture and Exchanger.
9. Outline the anatomical structures relevant to the insertion of a femoral venous catheter.
10. What causes the oxygen haemoglobin dissociation curve to move to the right and what are the clinical implications of this change?

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