

**MD Pediatrics - Faculty of Medicine**  
**Semester 1 (Applied Physiology) Exam**  
**February 2021- Allowed time 3 hours**

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**Answer the following questions (Total Marks 90) (15 marks for each question)**

- 1-Discuss briefly hematopoiesis and physiological anemia of infancy**
- 2- Discuss briefly lung compliance and role of surfactant**
- 3- Discuss briefly tubular handling of sodium and common causes of hyponatremia**
- 4- Discuss pathway and function of pyramidal tract and differential diagnosis of site of lesion in a child with hemiplegia**
- 5- Discuss capillary circulation and mechanisms of edema**
- 6- Discuss briefly fetal circulation and fetal to neonatal circulation transition**

**Good luck....**

**MD Pediatrics - Faculty of Medicine**

**Semester 2 (Applied Pathology) Exam**

**February 2021- Allowed time 3 hours**

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**Answer the following questions (Total Marks 90)(15 marks for each question )**

**1-Discuss briefly pathological features and clinical presentations of idiopathic nephrotic syndrome**

**2-Discuss briefly definition, causes and types of inflammation**

**3- Discuss pathological features and clinical presentation of infective endocarditis**

**4-Discuss in brief pathological features, clinical presentations and fate of primary pulmonary TB**

**5-Mention pathological features, clinical presentation and complications of typhoid fever**

**6-Mention causes and deferential diagnosis of lymphadenopathy in children**

**Good luck....**