

Aswan University
Faculty of Medicine
Dep. of Medical Physiology
Wednesday, 18/5/2022

MS. "Pediatric Medicine"
Final Physiology Exam
Time allowed: 90 min
Total Marks: 50 Marks

Answer the following questions:

1- A preterm infant after delivery suffered from difficulty of breathing, hypoxemia, and cyanosis. He was diagnosed infant respiratory distress syndrome because of surfactant deficiency.

a- Discuss mechanism of action and the importance of Surfactant?. (5 Marks)

b- What type of hypoxia the infant suffered from? and mention blood gases changes? (05 Marks)

c- Define cyanosis and mention its causes?. (05 Marks)

2- Describe how parathyroid hormone controls the plasma calcium level and the effects of its deficiency. (15 Marks)

3- Discuss the extrinsic pathway of blood coagulation and mention ONE abnormalities of hemostasis. (10 Marks)

4- Write on forces regulating interstitial fluid formation and mechanisms of edema. (10 Marks)

Good Luck> Prof. Mahmoud raafat & Exam. committee