Liswan University

Faculty of medicine

Microbiology and immunology department

date: 7/11/2022

Time allowed: 3 hours

(Total marks 150)



## Case no (2):

A 3-day-old infant, who was born 2 months premature, begins having difficulty in breathing and has a temperature of 39 °C. Chest x-rays reveal lung consolidation typical of pneumonia. Bacteria isolated from his blood are beta-hemolytic, gram-positive cocci in chains, which are serotypable as type B.

(15 marks)

- 1. What organism is the most likely etiology of this illness?
- 2. What other major disease does it cause?
- 3. Laboratory diagnosis of this microorganism?
- 4. How would you treat it?