**إمتحان الميكروبيولوجى الفصل الدراسى الثانى 2018**

**Mention the causative agent and discuss laboratory diagnosis of the following diseases (3.5 marks for each):-**

1. **Fowl typhoid in birds.**
2. **Brucellosis in cattle.**
3. **Ringworm in animals.**
4. **Chronic respiratory disease in chickens.**

**Write short notes on these tests or reactions, their applications and importance in diagnosis of different diseases (2.5 marks for each):-**

1. **Staph. streak technique.**
2. **Strauss reaction.**

**Mention the causative agent, Mode of transmission, Laboratory diagnosis and the recommended vaccines of the following diseases (3.5 marks for each):-**

1. **Sheep pox.**

**أمتحان الميكروبيولوجى تخلفات 2018**

**Write an account on:-**

# General characteristics of Family *Enterobacteriaceae* (5 marks).

**Tests:-**

# Strauss reaction. (2.5 marks).

# Rose Bengal Test (2.5 marks).

**Mention the causative agent and discuss laboratory diagnosis of the following diseases (4 marks for each):-**

1. **Ringworm in animals.**
2. **Sheep pox.**
3. **Chronic respiratory disease.**