**IQRA NATIONAL UNIVERSITY**

**DEPARTMENT OF ALLIED HEALTH SCIENCES**

**Mid-Term Examination (Fall -20) (BS. MLT 3rd)**

**Course Title: Clinical bacteriology Instructor: Ms. Huma Imtiaz**

**Time: 1 hour 30 mins Max Marks: 30**

**Note:**

* **Attempt all questions from this section, all questions carry equal marks.**
* **Use only Blue / Black Ink other than diagrams**
* **Answer Briefly and to the point, avoid un-necessary details**
* **Possession of Mobile Phones is strictly prohibited**

Q1: Discuss the structure of a flagellum and its movements.

Q2: Define Normal Flora. Enlist the sterile tissues.

Q3: Summarize osmosis, discuss types of osmotic solution.

Q4: Differentiate gram negative and gram positive bacterial cell wall.

Q5: What are the different arrangements of bacilli? Explain with diagram.

Q6: Differentiate the following:

1. Acute vs. chronic infection
2. Clinical vs. subclinical infection

*(Understanding The Question Paper Is Also Part Of Examinations)*