**Assignment for Viva (Spring 2020) (DPT 6th Semester)**

**Course Title: Pathology and Microbiology-ll Instructor: Dr. Maria Feroze**

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**Note:**

* **Upload your assignment on SIC till 10th July 11:59 p.m.**
* **Copying the content from net or book is not allowed.**
* **Write the assignment in MS word/pdf.**

**Q1. What physical therapy treatment should be given to a woman who has osteoporosis?**

**Answer:** A Physical therapy is an effective non-surgical treatment for osteoporosis that can help to restore the healthy movement, functioning and bone strength. The treatment may include daily or scheduled exercises. In many cases to prevent fractures physical therapy improves balance and posture of the body which may include weight bearing activities such as weight lifting etc.

**Q2. What is the difference between osteoporosis, osteomalacia and osteomyelitis?**

**Answer: Difference:**

* **Osteoporosis:**
* Weakening of bone due to lack of calcium.
* Bone degeneration occurs faster then bone to be deposited.
* Decrease in bone Mass with porous Bone.
* Fractures in vertebrae and femur are common.
* Caused by inactivity and decrease in hormone production (Decline in Estrogen Hormone).
* **Osteomalacia:**
* The bones become Soft.
* The bones are lacking of many minerals I-e Calcium, vit D etc.
* Rickets is commonly caused of osteomalacia.
* Bowed legs, deformed pelvis, ribs and or skull.
* **Osteomyelitis:**
* Inflammation of bone and bone marrow due to bacterial infection.
* Caused by pus forming bacteria that enters the body via wound or near by infection.
* It can be acute or a chronic process.