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ASSIGNMENT FOR VIVA Dental sec-A 2nd semester

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Q1. (i) How will you take blood pressure of hypertensive Patient?

(ii) What is neuromuscular junction, Draw and label diagram?

(I)HYPERTENSION :-

Hypertension, also known simply as "high blood pressure" is very common, however can lead to many significant complications if left uncontrolled. When the blood pressure is elevated, the force the blood puts on the walls of the arteries is high and can lead to artery damage. Also, when the heart muscle has to pump blood against a high blood pressure, it thickens and enlarges, just like any muscle does when it has to do more work (think of a weight lifter).

How is Hypertension diagnosed?

Hypertension is diagnosed simply by measuring the blood pressure with a blood pressure cuff around the arm. This can be done at your local pharmacy or doctors office. Below are the ranges of normal and abnormal blood pressure. The top number is called the "systolic blood pressure" and measures the pressure when your heart pumps. The bottom is called the "diastolic blood pressure" and measures pressure when your heart relaxes.

Normal : <120/80

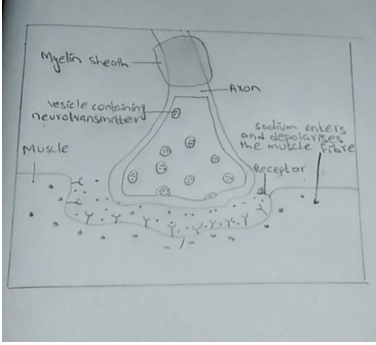
Pre-hypertension:*Between 120-139 for the systolic pressure and 80-89 diastolic (120/80 to 139/89)*

Hypertension: *> 140/90 if age < 60 OR diabetic OR if kidney disease present.*

> 150/90 if age < 60 AND NO diabetes or kidney disease present

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(II) Neuromuscular Junction :-

A neuromuscular junction (or myoneural junction) is a chemical synapse between a motor neuron and a muscle fiber. It allows the motor neuron to transmit a signal to the muscle fiber, causing muscle contraction. Muscles require innervation to function and even just to maintain muscle tone, avoiding



atrophy.