

NERVOUS SYSTEM

HOME ASSIGNMENT

11/11/2021  
H no

① What do you mean by control and coordination?

Ans → Control is the power of regulation and restraining by which something can be started, slowed down or stopped.

\* Coordination is the process of the working together of various agents of the body of an organism in a proper manner <sup>in order</sup> to produce an appropriate reaction to a stimulus (like light, heat, etc).

→ In other words, it is the inter-linking of <sup>the</sup> activities of a living being as per the needs of the body internally or externally.

② How nervous and endocrine system control and coordinate our body system?

(Nervous Coordination)

Ans → Nervous system, controls and regulates all the voluntary muscular

activities as well as involuntary activities and harmonises the the voluntary activities. It <sup>enables</sup> the quickest way of communication in the body of an organism by electro-chemical messages i.e., nerve impulse. Ex - Act of Eating food.

A Endocrine system (Chemical Coordination) helps the nervous system as it through chemical messengers called hormones. It ~~is~~ also influences many aspects of human behavior like growth, metabolism & also plays a vital role in emotions. Ex -

Release of adrenaline hormones (from adrenal gland) to <sup>prepare the body to</sup> meet any emergency situation.