Biology - 12th Class Biology Chapter 17 Short Questions Preparation

Q1. What is action of nicotine on coordination?

Ans 1: Nicotine affects post synaptic membrane in CNS and PNS.It minimizes the action of acytylcholine on the nicotine receptors.So it is sitmulant of nerve impluse. It increases the heart beat rate,blood pressure and digestive tract mobility. Nicotine may cause vomiting,diarrhoea and even cause water retention relation by the kidneys.

Q2. What do you know about parasympathetic nervous system?

Ans 1: A few cranial nerves including the vagus nerve together with the fibre from bottom portion of spinal cord from PNS.It promotes all the internal responses which are associated with the relaxes state i.e,contraction of pupil,promotes food digestion and retards heart beat.

Q3. Give two commercial application of ethane.

Ans 1: It is used to increase the speed of lates flow in rubber plant.it is also used for artificial ripening of fruits and to induce flowering in pineapple.

Q4. Define latent learning.

Ans 1: It is the association of different stimuli or situations without any patent or patent reward.

Q5. Name the synthetic auxin used as selective weed killer.

Ans 1: 2-4D (2,4 Dichlorophenoxy acetic acid)is selective weed killer.

Q6. Discuss the role of two hormones produced by gut.

Ans 1: Gastrin produced from mucosa of pyloric region of stomach. It stimulates the production of gastric juice.

Ans 2: secretin produced from intestinal mucosa and it stimulates the production of pancreatic juice.

Q7. What are meissner's corpuscles?

Ans 1: Meissner's corpuscles (encapsulated endings) which lie in papillae which extend into the ridges of the finger tips.The corpuscles consists of spiral and much twisted endings,each of which ends in knob.These are touch receptors.

Q8. What is leutinnizing hormone(LH). Write its role

Ans 1: LH works with FSH to stimulate oestrogen secretion and rupture mature follicles to release ovum. It also causes leutinization of follicle after ovulation and along with prolactin maintains corpus leuteum.

Q9. Differentiate between nerve impulse and saltatory impluse.

Ans 1: Nerve impulse Nerve impulse is a wave of electrochemical changes which travels along the length of the neuron involving chemical reactions and movement of ions across the cell membrane.

Ans 2: Salutatory impulse In myelinated neurons the impluse jumps from node to node this is called saltatory impluse.

Q10. What are the function of parathyroid glands? Or What are two functions of parathyroid gland?

Ans 1: Parathyroid gland produces paratharmone which control calcium level in the blood.Its over activity cause demineralization of bones while under activity cause muscular tetany.
