

## CONTROL & CO-ORDINATION

### EXERCISE # 1

#### A. Single Choice Type Questions

- Q.1** Olfactorceptors occur in -  
 (A) Nasal cavity  
 (B) Buccal cavity  
 (C) Lungs  
 (D) Skin
- Q.2** Photoreceptors are present in -  
 (A) Eyes (B) Mouth  
 (C) Ears (D) Brain
- Q.3** Spinal cord is part of -  
 (A) Autonomic nervous system  
 (B) Voluntary peripheral nervous system  
 (C) Involuntary peripheral system  
 (D) Central nervous system
- Q.4** Cerebellum is part of -  
 (A) Mid brain  
 (B) Fore brain  
 (C) Hind brain  
 (D) Peripheral nervous system
- Q.5** Number of cranial nerves is -  
 (A) 36 (B) 24  
 (C) 18 (D) 12
- Q.6** In human, number of spinal nerves is -  
 (A) 31 pairs (B) 32 pairs  
 (C) 33 pairs (D) 36 pairs
- Q.7** Phototropism is caused by differential distribution of -  
 (A) IAA (B) Kinetin  
 (C) Gibberellin (D) Abscisic acid
- Q.8** A natural growth inhibitor is -  
 (A) IAA (B) Gibberellin  
 (C) Cytokinin (D) Abscisic acid
- Q.9** Artificial ripening of fruits is carried out by -  
 (A) Auxin (B) Kinetin  
 (C) Ethylene (D) ABA
- Q.10** Hormone stimulating internodal length in plants is -  
 (A) Auxin (B) Gibberellin  
 (C) Cytokinin (D) ABA
- Q.11** Which one is male hormone -  
 (A) Estrogen (B) Adrenaline  
 (C) Testosterone (D) Insulin
- Q.12** Structural and functional unit of nervous system is -  
 (A) Nephron (B) Neuron  
 (C) Dendrite (D) Cyton
- Q.13** Emergency hormone is -  
 (A) Thyroxin  
 (B) Growth hormone  
 (C) Adrenalin  
 (D) Insuline
- Q.14** Select the correct match from the following -  
 (A) Thyroxin : Ovary  
 (B) Growth hormone : Pituitary  
 (C) Insuline : Thyroid  
 (D) Testosterone : Testis
- Q.15** Which of the following stimulate the tuberization in potato -  
 (A) Ethylene (B) Auxin  
 (C) Gibberelin (D) Cytokinin

## EXERCISE # 2

### A. Very Short Answer Type Questions

- Q.1 Write the function of hormone thyroxine in our body.
- Q.2 Name the part of hind brain which takes part in regulation of respiration.
- Q.3 Which hormone helps in lowering the level of blood Calcium in human beings.
- Q.4 Which hormone is responsible for the development of moustache and beard in man ?
- Q.5 Which type of glands in human body secrete hormones ?
- Q.6 Name the structural and functional units of human nervous system.
- Q.7 What is neuron ?
- Q.8 Name the largest cell present in human body.
- Q.9 What is the function of the hormone secreted by the endocrine gland pituitary ?

### A. Short Answer Type Questions

- Q.10 Name hormones produced by Neurohypophysis.
- Q.11 Name four hormones produced by pituitary gland with function.
- Q.12 Why is pituitary gland called master gland ?
- Q.13 What is the role of oxytocin ?
- Q.14 Which hormone is called emergency hormone ?
- Q.15 Name any four receptor along with the organ in which they occur ?

Q.16 Where is medulla oblongata ? situates ?

Q.17 Write a note on ABA.

Q.18 What is reflex action ?

### C. Long Answer Type Questions

Q.19 Draw a labelled diagram of brain.

Q.20 Describe the structure of neuron.

Q.21 What is reflex action ? Describe the types of reflex action with a suitable diagram.