CONTROL AND COORDINATION

MODULE – 3

1.Control and coordination in human being is done by nervous system and endocrine system.

2.Endocrine system is a system of ductless glands that pour their secretions directly into the blood.

3.Endocrine glands secrete hormones which are chemical messengers .

4.The different endocrine glands present in our body are hypothalamus, pituitary, thyroid , parathyroid, thymus , pancreas , adrenals , ovaries and testes.

5.Hypothalamus is located in the brain and controls the hormones released by the pituitary .

6. Pituitary gland is called the master gland and controls the secretions of other glands like thyroid, adrenals , gonads etc.

7.Thyroid gland secretes thyroxine which controls body metabolism.

8.Parathyroid gland secretes parathyroid hormone which controls calcium level .

9. Adrenal glands secrete many hormones but the most well known hormone is adrenaline which triggers the fight or flight response .

10.The pancreas secrete the hormones insulin and glucagon which regulate the blood glucose level . Insulin decreases the blood glucose level and glucagon increases the blood glucose level .

11. Ovaries in female and testes in males secrete the sex hormones which regulate the secondary sexual characters and also the matuaration of eggs and sprms.