Write short Notes on:

1. Adiponectin.
2. Weight homeostasis.
3. Calcium sensing receptor.
4. Anti-mullerian hormone.
5. Regulation of insulin secretion.
7. β cell apoptosis.
8. Growth and maturation of hypothalamic pituitary testicular axis.
9. G Protein coupled receptors.
10. Renin angiotensin aldosterone system in health and disease.
Write short Notes on:

1. Approach to a patient with prediabetes.
3. Asymptomatic primary hyperparathyroidism: treatment strategies.
4. Polycystic ovarian disease: where is the defect?
8. Vitamin D replacement strategies.
9. Somatostatin analogue as primary management in acromegaly.
10. β cell preservation/proliferative modalities.
Write short Notes on:

1. FDG-PET scan in endocrine practice.
3. Hormonal assay techniques.
5. Assessment of insulin resistance in VIVO.
7. Primary aldosteronism: Diagnostic strategies.
8. Thyroid function tests: drug interactions.
Write short notes on:

1. Endocannabinoid system and obesity
2. Progestin and the nervous system
3. Maternal thyroid status on fetal brain development
4. Insulin and the cardiovascular system
5. Nuclear receptors
6. Adult growth hormone deficiency
7. Immunopathogenesis of autoimmune hypoparathyroidism
8. Hypogonadal bone loss
9. Pathogenesis of diabetes mellitus
10. Prohormone convertases
Write short notes on:

1. Bariatric surgery for obesity
2. Management of congenital adrenal hyperplasia (classical 21 hydroxylase deficiency) in adults
3. Latent autoimmune diabetes in adults
4. Diagnostic approach to a 1 month infant with hypoglycemia
5. Low turnover renal osteodystrophy
6. Approach to a 6 year old girl with breast development of 2 months duration
7. Genetic screening for patients with phaeochromocytoma
8. Current role of thiazolidinediones in the management of type 2 diabetes
9. Aromatase inhibitors
10. Androgen therapy in women
Write short notes on:

1. Parathyroid imaging modalities
2. Differential diagnosis of Cushing
3. Hook effect
4. Assessment of insulin resistance in vivo
5. Newer markers for Glycemic control
6. Bone histomorphometry: clinical implications
7. Role of position emission tomography in endocrine disorders
8. Evaluation strategies for hirsutism
9. Post-operative evaluation of patient with acromegaly
10. Thyroid-associated ophthalmopathy
Write short notes on:

1. Compare the structure and physiology of PTH versus PTH rP.
2. Supersaturation and Crystallization in the formation of renal stones.
3. Embryological development of the thyroid gland.
4. Endocrine physiology of sexual maturation.
5. Proinflammatory genes in the evaluation of type 2 diabetes.
6. Pathophysiology of androgenetic alopecia.
7. Glucose homeostasis in the newborn.
8. Endothelins.
Write short notes on:

1. Ocular changes in thyroid diseases.
3. Examination of hand in endocrine diseases.
7. Precocious puberty.
9. Adult growth hormone deficiency.
10. Melatonin therapy in humans.
Write short notes on:

1. Insulin analogues.
2. FNAC for thyroid nodule.
3. Gender assignment for newborn with ambiguous genitalia.
5. Evaluation of a patient with adrenal mass.
8. Diagnostic evaluation of a 70-year-old lady with hip fracture.