

ENDOCRINOLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

ENDO/D/10/07/I

Attempt all questions in order.
Each question carries 10 marks.

Write short notes on:

1. Weight – homeostasis.
2. Endocrine implications of Steroidogenic factor-1.
3. Glucose-glucagon axis- clinical implications.
4. NaI symporter in health and disease.
5. Bone-modeling.
6. Techniques used for hormone measurement.
7. G protein coupled receptors in disease pathogenesis and treatment.
8. Strategies for conducting an epidemiological study to assess the prevalence and risk factors of diabetes.
9. Adrenal androgens: their regulation and role in puberty.
10. HbA1c – How to measure it?

ENDOCRINOLOGY

PAPER – II

Time : 3 hours
Max. Marks : 100

ENDO/D/10/07/II

**Attempt all questions in order.
Each question carries 10 marks.**

Write short notes on:

1. Current status of Islet cell regeneration therapy.
2. CETP inhibitors.
3. Evaluation strategies in Neonatal hypoglycemia.
4. Current scenario of Metabolic surgery.
5. Approach to a male child with precocious puberty.
6. Approach to a patient of thyroid cancer with extra-cervical metastasis.
7. Therapeutic uses of glucocorticoids.
8. Fertility issues in patients with congenital adrenal hyperplasia.
9. Management issues in Graves' orbitopathy.
10. How do you grade diabetic foot ulcers? Outline principles of management.

ENDOCRINOLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

ENDO/D/10/07/III

Attempt all question in order.
Each question carries 10 marks.

Write short notes on:

1. Recent advances in management of anaplastic thyroid carcinoma.
2. Subclinical hypothyroidism and pregnancy outcome.
3. Teriperatide.
4. Diagnostic modalities for detection of ectopic ACTH secreting tumors.
5. Utility of HbA1c in diagnosis of diabetes.
6. Bisphosphonates.
7. Bad obstetric history – how to evaluate?
8. PPAR-Y agonist: should they be buried?
9. Legacy effect in diabetes.
10. Clinical implications of RET proto-oncogene