

ENDOCRINOLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

ENDO/D/12/07/I

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

Write short notes on:

1. Glucose counter regulation. 10
2. Action of parathyroid hormone on bone. 10
3. Ectopic hormone secretion. 10
4. Hormonal and physical changes in puberty. 10
5. Anatomy of hypothalamopituitary unit. 10
6. Mechanism of glucocorticoid action. 10
7. Iodine and thyroid function. 10
8. Historical milestones in understanding adrenal gland functions. 10
9. Human chorionic gonadotropin. 10
10. Regulation of insulin secretion. 10

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PAPER – II

Time : 3 hours
Max. Marks : 100

ENDO/D/12/07/II

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

1. Discuss the management of primary hyper parathyroidism. 10
2. Discuss the management of an adolescent with DSD. 10
3. A 16 year girl was diagnosed to have a large prolactinoma during evaluation of primary amenorrhea. Describe therapeutic options and long term outcomes. 10
4. A 23 year old lady was diagnosed to have papillary thyroid carcinoma during evaluation for solitary thyroid nodule. What is your advice for her? 10
5. What are the causes for secondary osteoporosis? How will you manage it? 10
6. Describe stepwise management for a 30 year old male who was diagnosed to have type 2 diabetes mellitus during routine health check up. 10
7. Describe the pathophysiology and clinical characteristics premature adrenarche? 10
8. Describe the minimum tests that should be done for an adult with suspected endocrine hypertension. 10
9. Describe the causes for hyponatremia in elderly. 10
10. Discuss the differential diagnosis for a patient with hypoadrenalism and bilateral adrenal mass lesions. 10

FINAL EXAM
DECEMBER 2012

NATIONAL BOARD OF EXAMINATIONS

ENDOCRINOLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

ENDO/D/12/07/III

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

Write short notes on:

1. Bones and energy homeostasis. 10
2. Continuous glucose monitoring systems. 10
3. Outline clinical features, precipitating factors & laboratory evaluation of thyrotoxic storm. 10
4. Adverse effects of bariatric surgery. 10
5. Indian guidelines for gestational diabetes mellitus screening. 10
6. New oral hypoglycemic agents. 10
7. Androgen deficiency in adult males. 10
8. Fertility issues in adult with CAH. 10
9. Investigate a 16 year old boy with progressive deformities of legs. 10
10. Investigation of a 16 years old boy with growth failure & hypogonadism. 10
