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MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) PHYSIOLOGY DEGREE EXAMINATION – AUGUST 2010

PAPER III: GASTROINTESTINAL TRACT, ENDOCRINOLOGY AND REPRODUCTION

Wednesday, August 04, 2010

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

- ✍ Answer ALL the questions.
- ✍ Illustrate your answers with neatly drawn and correctly labelled diagrams wherever necessary.

1. Compare and contrast the regulation of gastric and pancreatic juice secretion.
(20 marks)
2. Describe the significance and activity of events taking place along TRH-TSH-Thyroid gland axis and mention various disorders arising in case if this axis fails to perform its function normally.
(20 marks)
3. Describe in detail the functions of testis. Add a note on difference of the term impotency and sterility.
(20 marks)
4. Name the hyperglycemic hormones in our body. Explain the actions of one important hypoglycemic hormone and add a note on the effects of decreased secretion of it.
(20 marks)
5. Briefly describe:
 - 5A. Cushing's disease
 - 5B. Cholecystography
 - 5C. Deglutition
 - 5D. Goiter

(5×4 = 20 marks)

