

March 2009

[KU 124]

Sub. Code: 2021

M.D. DEGREE EXAMINATION

Branch V – PHYSIOLOGY

(Common to all candidates)

**Paper IV – HISTORY OF MEDICINE, RECENT ADVANCES IN
CLINICAL PHYSIOLOGY, ENDOCRINOLOGY AND
REPRODUCTIVE SYSTEMS**

Q.P. Code : 202021

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 x 20 = 40)

1. Discuss in detail the hormonal regulation of blood glucose level.

2. Write briefly on:

- a) Cimetidine.
- b) Reynolds number.
- c) Blood brain barrier.
- d) Radio Immuno assay.

II. Write short notes on : (10 x 6 = 60)

- 1. Thyroid function tests.
- 2. Cyclic – AMP.
- 3. Diabetes Insipidus.
- 4. Spermatogenesis.
- 5. Male contraceptives.
- 6. Biological clock.
- 7. Pregnancy tests.
- 8. Menopause.
- 9. Prolactin.
- 10. Oral hypoglycemic agents.

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Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Discuss the physiology of adreno cortical hormones.

2. Write briefly on:
 - a. Brown fat.
 - b. Endothelium derived relaxing factor (EDRF).
 - c. Cardiac vector.
 - d. Leptin.

II. Write short notes on :

(10 x 6 = 60)

1. Peptic ulcer.
2. Artificial kidney.
3. IUCDs.
4. Coronary Angioplasty.
5. Erectile dysfunctions.
6. Nephrotic syndrome.
7. Nystagmus.
8. Vasectomy.
9. Conditioned reflexes.
10. Prostaglandins.
