



[KT 502]

AUGUST 2008

Sub. Code : 4053

**FIRST M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**PAPER III – PHYSIOLOGY INCLUDING BIO-PHYSICS – I**

***Q. P. Code : 524053***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. What is menstrual cycle.  
Explain the ovarian changes taking place during menstrual cycle.
2. What are different types of salivary glands?  
Describe the composition, functions and regulation of secretion of saliva.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Write the features of Acromegaly.
2. Tubuloglomerular feedback.
3. Explain mechanism of secretion of hydrochloric acid in stomach.
4. Explain extrinsic mechanism of coagulation of blood.
5. Write the functions of platelets.
6. Write the actions of parathormone.
7. Cystometrogram.
8. Explain Neuroendocrine reflex.
9. Erythroblastosis Foetalis.
10. Haemophilia.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Functions of Eosinophil.
2. Name anticoagulants used in laboratory.
3. Write differences between adult haemoglobin and foetal haemoglobin.
4. Write functions of sertoli cells.
5. Write functions of large intestine.
6. Migrating Myoelectric Complex (MMC).
7. Achalasia Cardia.
8. Name hormones of the hypothalamus.
9. Write the actions of prolactin.
10. Name second messengers.

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