

**QP Code:104004**

**Reg. No.:.....**

**First BHMS Degree Examinations, February 2015**

**PHYSIOLOGY & BIOCHEMISTRY- PAPER II**

**Time: 3 Hours**

**Max Marks: 100**

- **Answer all the questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(2x10=20)**

1. Describe the nucleus, connections and functions of thalamus.
2. Name the hormones of anterior pituitary. Describe the functions and clinical disorders of growth hormone.

**Short notes:**

**(10x5=50)**

3. Cerebrospinal fluid
4. Regulation of blood calcium
5. Synthesis of catecholamine.
6. Limbic system
7. Spermatogenesis.
8. Glycolytic pathway.
9. Composition and functions of pancreatic juice.
10. Carbohydrate and its classification
11. Functions and disorders of vitamin D
12. Neuromuscular junction.

**Answer briefly:**

**(10x3=30)**

13. Glucose tolerance test
14. Placenta
15. Functions of liver
16. Urea cycle
17. Gluconeogenesis
18. Syringomyelia
19. Synapse.
20. Functions of saliva
21. Intrinsic factor
22. Intestinal villi.

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