

First BHMS Degree Examinations, February 2014

PHYSIOLOGY & BIOCHEMISTRY- PAPER II

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- Draw diagrams wherever necessary

**Essays:** (2x10=20)

1. Describe the volume, composition, secretion, functions of gastric juice.
2. Enumerate the adrenal cortical hormones. Discuss briefly the functions of glucocorticoids.

**Short notes:** (10x5=50)

3. Explain the pre synaptic inhibition.
4. What is conditioned reflex. Explain it with an example.
5. Basal ganglia
6. Structure of proteins.
7. Classification of lipids.
8. What are the functions of oxytocin.
9. What are the functions of anti-diuretic hormone.
10. Enumerate the actions of thyroxin.
11. Explain the gametogenesis in female.
12. Secretary phase of menstrual cycle

**Answer briefly:** (10x3=30)

13. Cushing's disease
14. What is entero-hepatic circulation.
15. Explain the movements of small intestine,
16. Gastrin
17. List the function of progesterone.
18. What are vitamins. List the water soluble vitamins.
19. Urea synthesis.
20. Isoenzyme
21. Name the layers of stomach and mention its function.
22. What is deglutition. Mention its three stages.