SWAMI VIVEKANANDA YOGA ANUSANDHANA SAMSTHANA

(S-VYASA)

(Declared as Deemed-to-be University under Section 3 of the UGC Act, 1956)

BNYS 2ND SEMESTER FINAL EXAMINATION

BNYS T 202 Physiology-2

Date: June 13, 2012

Time: 3 Hrs **Total Marks: 80**

Essay type (answer any two of the following) **10X2=20**

1. Describe the synthesis, storage, release and regulation of secretion of thyroid hormones.
2. Describe the Menstrual cycle. Explain the Ovarian changes during the menstrual cycle.
3. What are the various lobes of cerebral cortex? Describe their functions and add a note on frontal lobe syndrome.

Short notes (answer any eight of the following) **5X8=40**

4. Sliding filament theory
5. Addison's disease
6. Mechanism of regulation of food intake in hypothalamus
7. Stretch reflex
8. HPA axis
9. Synaptic transmission
10. Spermatogenesis
11. Endocrine functions of testis
12. Glucocorticoids

Short type answers (answer any ten of the following) **2X10=20**

13. Saltatory conduction
14. Voltage clamping
15. Simmond's disease
16. Papez circuit
17. Thyroglobulin
18. Tetany
19. Actions of catecholamines
20. Refractory period
21. Starling's law of muscle
22. Spatial summation
23. Huntington's chorea
24. Motor unit