SWAMI VIVEKANANDA YOGA ANUSANDHANA SAMSTHANA
(S-VYASA)
(declared as Deemed-to-be University under Section 3 of the UGC Act, 1956)
FINAL EXAMINATION
MSC T 105 Anatomy and Physiology

Date : 22-May-2011
Time : 3 Hr

Max Marks: 100

I. **Answer the following**   15x1=15
   1. What is the function of Ribosome?
   2. Salivary amylase hydrolyses carbohydrate into _____, _____ and _____.
   3. Which muscles do not fatigue through out the life?
   4. Which type of joints, we found in the skull?
   5. Which organ in human body is responsible for the removal of CO2?
   6. Which cell of the blood is called as the mobile body guard?
   7. Which part of the nephron, excess water reabsorption take place?
   8. Which gland is called as the master gland of endocrine system?
   9. Which hormone is called as emergency hormone?
   10. Deficiency of insulin hormone causes _____.
   11. How many cranial and spinal nerves are present in human nervous system?
   12. Maintenance of equilibrium and control of body posture is done by _____.
   13. Modified transparent membrane of the sclera is called as _____.
   14. Which is called as the natural anticoagulant in the body?
   15. In which part of the Alimentary canal, absorption takes place?

II. **Short Notes [Any 4] :**   4x5=20
   1. Pituitary gland
   2. Liver
   3. Synovial joint
   4. Digestion of protein
   5. Blood corpuscles

III. **Write the difference between the following [Any 3] :**   3x5=15
   1. Artery and vein
   2. Sympathetic and Parasympathetic NS
   3. Neuron and Nephron
   4. Bone and Cartilage

IV. **Draw a neat labeled diagram of the following [Any 2] :**   2x5=10
   1. Structure of animal cell
   2. Digestive system of human being
   3. Structure of a typical neuron

V. **Answer the following Questions [Any 4] :**   4x10=40
   1. What is connective tissue proper and write about its functions?
   2. Describe the structure and working mechanism of heart.
   3. Illustrate the structure and function of human brain?
   4. Describe the structure and function of Kidney and explain about the mechanism of urine formation?
   5. Describe the respiratory of human being in detail and add a note on mechanism of breathing?
   6. Describe the different types of muscles in human beings?

********************* *Wish You All the Best* *************************