

FIRST PROFESSIONAL B.A.M.S. DEGREE EXAMINATION**PAPER IV – KRIYA SHARIR - I***Q.P. Code :641354***Time: Three Hours****Maximum : 100 Marks****Answer all Questions****I. Essay Questions: (2 x 15 = 30)**

1. Write about *Tridosha* on the following aspects: (a) *Nirukti* (b) *Sthana* and *Guna* (c) *Samanya Karma* (d) *Vridddhi Lakshana* (e) *Kshaya Lakshana*.
2. Elaborate the Intellectual functions of the Brain like Learning, Memory, Speech and Conditioned reflexes.

II. Write Notes on: (10 x 5 = 50)

1. Describe the concept of *Srotas* and classify them.
2. Tabulate the interrelationship of *Tridosha* with *Ritu* and *Rasa*.
3. Narrate the concept of *Kriyakala* according to Acharya *Vagbhata*.
4. Write about the *Mahatvam* of *Agni*.
5. Enlist the physical and psychic characteristics of *Pitta Prakruti*.
6. Explain the physiology of Action Potential with diagrams.
7. Write in detail the nutritive importance of Fat-soluble Vitamins.
8. Write down the Reflexes of Digestive tract and explain any major one.
9. Describe the Neural regulation of Respiration.
10. Write the salient features of Enteric Nervous System.

III. Short Answers on: (10 x 2 = 20)

1. Quote the *Apana Vata Karma*.
2. Mention the differences between *Agni* and *Pitta*.
3. Write the best available definition of *Prakriti*.
4. Name the factors of *Aharaparinamakaram*.
5. How will you identify the different *Koshta*?
6. In which way Neuroglia support the Nervous system?
7. Write about the basic physiology of exocrine pancreas.
8. Mention few important Gastro Intestinal hormones.
9. List out the Mechanical movements involving the Stomach.
10. Tidal volume is 500ml, Inspiratory reserve volume is 3300ml, Expiratory reserve volume is 1000ml, Residual volume is 1200ml. Find the Inspiratory capacity and Vital capacity.