

**First Professional B.A.M.S (Part II) Degree Supplementary Examinations,
September 2014**

KRIYA SAREERAM – Paper - II

Time: 3hours**Total Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays**(2x10=20)**

1. Explain the concept of rakta dhatu (रक्तधातु) and describe the mechanism of coagulation of blood in detail (5+5=10)
2. Explain the mechanism of urine formation in detail. Describe mutrotpatti (मूत्रोत्पत्ति) according to susrutacharya (5+5=10)

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

3. Motor areas of cerebral cortex
4. Mechanism of hearing
5. Synthesis of thyroid hormones
6. Balavridhikara bhavas (बलवृद्धिकरभाव)
7. Properties of receptors
8. Ojo vyapath (ओजोव्यापत्)
9. Dhatuposhana nyayas (धातुपोषणन्याय)
10. Physiology of sleep and EEG changes during sleep.
11. Functions of hypothalamus
12. Bone remodeling mechanism

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

13. Lipid profile
14. Myasthenia gravis
15. Functions of skin
16. Placental hormones
17. Dhatumala (धातुमल)
18. Arthava (आर्तव)
19. Vridhi (वृद्धि) and kshya (क्षय) lakshanas of medodhatu (मेदोधातु)
20. Lactation
21. Definition and samanya dushti lakshana of srotas (स्रोतस)
22. Reticular activating system