

**First Professional B.A.M.S (Part II) Degree Supplementary Examinations,  
February 2015**

**KRIYA SAREERAM – Paper - II**

Time: 3hours

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

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

1. Define and describe the concepts of dhathu (धातु) and saara(सार). State the similarities and dissimilarities between them. (5+5=10)
2. Describe the connections between hypothalamus and pituitary gland. Explain the hormonal control of menstrual cycle by hypothalamus, pituitary gland and ovary . (5+3+2=10)

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

3. Describe various dhathuparinama nyayas (धातु परिणाम न्वायाः)
4. Narrate the functional differences between cerebrum and cerebellum.
5. Explain the asthi dhathu kshaya (अस्थि धातु क्षय) and state its management
6. The low density lipoprotein (LDL) of a person was 191 mg/dl. State the condition. List the normal values and healthy ratios of components of lipid profile
7. Explain thyroid gland function
8. Explain visual pathway
9. Describe functions of insulin
10. Explain the stages of erythropoiesis.
11. Define sudha sukla (शुद्ध शुक्ल) and explain the composition of semen
12. Describe the functions of medulla

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

13. Describe gate mechanism of pain with the help of diagram
14. Features of udakavaha srothas (उदक वह स्रोतस), its moola(मूल) and dushti lakshanaas (दुष्टि लक्षणाः).
15. Location of pineal gland and its functions.
16. Panch bhautik(पञ्च भौतिक) aspect of rakta dhatu(रक्त धातु)
17. Classify autonomic nervous system
18. Why is decrease of malaas(मलाः) is more harmful to the body than its increase.
19. Ascending tracts of spinal cord.
20. Conceptualize and classify nidra(निद्रा), its clinical significance
21. Classification of receptors
22. Local hormones.