

Second Semester MD/MS Ayurveda Regular Examinations
November 2025
Paper I – Applied Basics of Kriya Sharira (Human physiology)
(2024 Scheme)

Time: 3 hrs

Max marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers

Application Based Question**(20)**

1. 45-year-old woman complains of tingling, numbness, muscle wasting in her calves, dry, rough skin, constipation, disturbed sleep, and irritability. She has irregular eating habits and frequently skips meals due to her work schedule.
Based on this clinical scenario, answer the following
 - a) Identify the predominant Doṣha imbalance and explain how it manifests through her symptoms.
 - b) Discuss the involvement of specific Dhatus and whether it represents Vriddhi or Kṣhaya.
 - c) Explain the possible interaction between the involved dosha and dushya in this case.
 - d) Recommend appropriate dietary interventions to pacify Dosha and strengthen Dhatus.

(5+5+5+5)**Short Answer Questions****(8x5=40)**

2. Explain the principle of Samanya–Viseṣha with suitable examples from modern physiology.
3. Define Chaya, Prakopa and Prashama in the context of Kriyakala and explain their physiological significance.
4. Explain the importance of Mula sthaana of Rakta vahasrotas in clinical physiology.
5. Explain the role of Ayurgenomics in guiding personalized dietary and lifestyle interventions based on Prakriti.
6. Analyse the integrated effect of Ahara, Vihara, Vyayama, and seasonal factors on Dhatu Sarata.
7. Explain the integration of Naḍi assessment with Prakriti evaluation in clinical decision-making.
8. Explain the function of the trinocular microscope and its advantage over a binocular microscope.
9. Define Panchamahabhuta Siddhanta and explain its significance in understanding human physiology

Long Answer Questions**(4x10=40)**

10. Explain the role of circadian rhythms in the regulation of digestion including hormonal secretion, enzyme activity, gut microbiome balance and their influence on Dosha Karma and Agni **(6+2+2)**
11. Elaborate on the application of Ayurvedic Prakriti assessment in cross-cultural and multinational research and its correlation with genomics, metabolomics, and lifestyle-related disorders worldwide.
12. Discuss the Standard Operating Procedure, components, operational procedures, and safety precautions of a hematology analyzer, along with its clinical applications in hematological disorders like anemia and leukocytosis, and their applied physiological significance.
13. Explain the roles of Jatharagni, Bhutagni, and Dhatvagni in the clinical context of obesity, highlighting their significance in digestion, metabolism, Dhātu formation, and applied therapeutic approaches.
