

Answer any 5 of the following questions (each 20%):

1. What are the main characteristics of hormones? How can you prove that a chemical 'X' is a hormone?
2. What is 'glomerular filtration rate' (GFR)? How is it measured? What can affect GFR?
3. Why pain related to the heart is often felt elsewhere rather than in the chest? How do you explain such phenomenon?
4. Your friend wants to discuss with you a trip he plans to go to in a desert during summer. What advice would you give him, and why?
5. Discuss the law of Laplace as it is related to pulmonary function and disorders.
6. 'Hypertension is a syndrome, not a disease'. Discuss this statement and its implications.

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