

GENERAL MEDICINE

PAPER – I

Please read carefully the important instructions mentioned on Page '1'

- *Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.*
- *Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.*

PART B

6. How do genetic factors and the environmental insult of high salt intake interact to produce hypertension? 10
7. What are the diseases associated with prolonged QT intervals? How are genetic factors involved in their pathogenesis? 4+6
8. Discuss the genetic basis of hypertrophic obstructive cardiomyopathy. What clinical features distinguish it from valvular aortic stenosis? 3+7
9. What is effective circulatory volume? What percentage of body water is in that compartment? How is it affected in:
a) Nephritic syndrome
b) Nephrotic syndrome 3+1+(3+3)
10. What is trans-cellular water? Describe briefly the pathogenesis of anasarca, in various disease states. 2+8
