



(2010 scheme)

PHYSIOLOGY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays: (2x10=20)

1. Describe in detail the composition, functions and regulation of pancreatic juice.
2. Draw the structure of nephron. Explain the mechanism of urine formation.

Short notes: (10x5=50)

3. Coronary circulation
4. Excitation-contraction coupling
5. Posterior pituitary hormones
6. Lung volumes and capacities
7. Functions of liver
8. Spermatogenesis
9. Cerebrospinal fluid
10. Dialysis
11. Myxoedema
12. Cell organelles

Answer briefly: (10x3=30)

13. Bell magendie law
14. Anticoagulants
15. Cholecystokinin-pancreozymin
16. Diabetes mellitus
17. Eosinophilia
18. Hormones regulating calcium homeostasis
19. Resting membrane potential
20. Hering-bruer's reflex
21. Colour vision
22. Definition of cardiac output
