

(2010 scheme)

PHYSIOLOGY

Time : 3 hrs

Max marks : 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: (2x10=20)

1. Define cardiac output and mention its normal values. Describe the factors regulating cardiac output
2. Describe the Lateral spinothalamic tract of the spinal cord with a diagram . Enumerate the sensation carried by these tracts

Short notes: (10x5=50)

3. Micturition
4. Surfactant
5. Cerebrospinal fluid
6. Plasma proteins
7. Hormones of placenta
8. Phases of deglutition
9. Transport of oxygen in blood
10. Menstrual cycle
11. Refractive errors
12. Functions of liver

Answer briefly:(10x3=30)

13. Color vision
14. Gastrin
15. Types of leucocytes
16. B.M.R
17. Stroke volume
18. Rigor mortis
19. Gate control theory of pain
20. Erythroblastosis fetalis
21. Ovulation
22. Bile pigments
