

2022

3rd Semester Examination

PHYSIOLOGY (Honours)

Paper : C 6-T

(Circulation)

[CBCS]



Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**Group - A**

A. Answer any *five* questions : 2×5=10

1. Define Mary's reflex. 2
2. Write the structure and functions of Rouget cell. 1+1
3. Why P-R interval appears in ECG recording? 2
4. Mention the role of blood cells found in lymph. 2
5. What is the characteristics of "Blood-Brain Barrier"? 2
6. State any two roles of exercise on cardiovascular homeostasis. 2

7. What do you mean by splanchnic circulation? 2
8. How stroke can be prevented? 2

**Group - B**

B. Answer any *four* questions : 5×4=20

9. What is myocardial ischaemia? Mention the location of chest leads on our body. Mention the reasons of inverted 'P' wave during ECG 1+2+2
10. Discuss the factors regulating cardiac output in man. 5
11. Name any two substances secreted by the endothelium and mention their functions. 2+3
12. Briefly mention the formation and circulation of CSF in our body. 2+3
13. Write the peculiarities of cutaneous circulation. 5
14. Define inflammation? State the reasons of inflammation. What is shock? 1+3+1

**Group - C**

C. Answer any *one* question : 10×1=10

15. What is intercalated disc? Describe the modern concept of origin and propagation of pacemaker potential. 1+4+5
16. State the anatomic consideration of cerebral circulation with proper diagram. Describe the process of brain metabolism. 6+4