

**U.G. 3rd Semester Examination-2020****PHYSIOLOGY****[HONOURS]****Course Code : PHYSIOL-H-CC-T-05**

Full Marks : 40

Time :  $2\frac{1}{2}$  Hours*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***GROUP-A**

1. Answer any **five** questions:  $2 \times 5 = 10$
- What is haematocrit?
  - Name two anticoagulants.
  - Difference between HbA and HbF.
  - What is Thalassemia?
  - What is serum?
  - What is antibody?
  - What is Leukocytosis?

**GROUP-B**

2. Answer any **two** questions:  $5 \times 2 = 10$
- What is plasma pheresis?
    - What is ESR?  $2\frac{1}{2} + 2\frac{1}{2} = 5$

- Describe the functions of plasma-proteins. 5
- Describe the structure of Antibodies with a suitable diagram. 5
- Write down the formation and function of lymph.  $3+2=5$

**GROUP-C**

2. Answer any **two** questions:  $10 \times 2 = 20$
- Describe the intrinsic and extrinsic blood coagulation method. 10
  - Describe the ABO blood group.
    - What are Rh incompatibility?  $5+5$
  - Describe the steps of Haem synthesis. 10
  - Classify WBC.
    - Write the process of Leukopoiesis.
    - Write a specific function of WBC.  $4+5+1=10$

*[Turn Over]*