

U.G. 1st Semester Examination - 2021

PHYSIOLOGY

[HONOURS]

Generic Elective Course (GE)

Course Code : PHYSIOL-H-GE-T-01

Full Marks : 40

Time : 2½ 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.

1. Answer any **five** questions: 2×5=10
- What is anticoagulant?
 - Name the metallic ion responsible for blood coagulation.
 - Why blood is called liquid connective tissue?
 - Name the site of RBC formation in adult human.
 - Write down two functions of WBC.
 - What is lymph?
 - Which blood group is called universal donor and why?

2. Answer any **two** questions: 5×2=10
- Define bleeding time and clotting time. State their significance. 3+2
 - Describe the functions of RBC. 5
 - Write down the functions of platelet. 5
 - Write different functions of plasma proteins. 5
3. Answer any **two** questions : 10×2=20
- Discuss different factors affecting RBC formation. 10
 - Describe the process of blood coagulation. 10
 - Write down the source, formation and different functions of lymph. 1+3+6
 - Classify ABO blood group system. Describe the physiological importance of blood group system. 4+6

[Turn Over]