

U.G. 3rd Semester Examination - 2021**PHYSIOLOGY****[HONOURS]****Generic Elective Course (GE)****Course Code : PHYSIOL-H-GE-T-1**

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
- a) What is blood?
 - b) Name the plasma proteins responsible for blood coagulation.
 - c) What is Phagocytosis?
 - d) Describe the structure of platelet.
 - e) What do you mean by clot retraction?
 - f) Differentiate between plasma and serum.
 - g) Give two examples of anticoagulants.
 - h) Why blood is called Liquid Connective Tissue?

2. Answer any **two** questions : 5×2=10
- a) Write the different functions of Haemoglobin.
 - b) What is lymph? Discuss the origin and function of lymph. 1+2+2
 - c) Why blood does not clot in blood vessels?
 - d) Write the functions of Neutrophil.
3. Answer any **two** questions: 10×2=20
- a) Discuss the functions of plasma proteins.
 - b) i) Describe the process and regulation of erythropoiesis.
ii) Discuss critically the functions of RBC.
 - c) Mention briefly the diseases occurring due to abnormalities of RBC.
 - d) Describe the process of blood coagulation.
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