

U.G. 3rd Semester Examination-2021**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.*

1. Answer any **five** questions: 2×5=10
 - a) What are R and T form of hemoglobin?
 - b) What are anticoagulants? Give one example.
 - c) What are T-lymphocytes and B-lymphocytes?
 - d) State the significance of fibrinolysis.
 - e) What is hydrops foetalis?
 - f) What are Universal Donor and Universal Recipient?
 - g) What is meant by humoral immunity?
2. Answer any **two** questions: 5×2=10
 - a) Describe the process of leucopoiesis.

- b) What is plasmapheresis? Describe the process of plasmapheresis.
- c) What is Rh-factor? Describe erythroblastosis foetalis.
- d) Write short notes on:
 - i) Thalassaemia
 - ii) Hemophilia

3. Answer any **two** questions: 10×2=20
 - a) Write the steps of haem synthesis in human.
 - b)
 - i) Write the names of plasma proteins in blood.
 - ii) Describe the functions of plasma proteins. 2+8=10
 - c)
 - i) What is lymph?
 - ii) Write the formation, circulation and functions of lymph. 2+8=10
 - d)
 - i) What is blood coagulation?
 - ii) Describe the intrinsic and extrinsic pathways of blood coagulation. 2+8=10
