

PRABHAT KUMAR COLLEGE, CONTAI

Question Paper

B.Sc. Honours Examination 2020

(Under CBCS Pattern)

Semester-IV

Subject: ZOOLOGY

Paper : CC9 (T + P)

Animal Physiology: Life Sustaining Systems (Theory + Practical)

Candidates are requested to give their answer in their own word as far as practicable.

Questions are of equal value

Part A: Theory

Answer any one question [within 250 words]

1. Write down the different components of blood with their functions.
2. Describe the structure of Hb and mention its function.
3. What is blood clotting? Describe the mechanism of blood clotting.
4. Distinguish between;
 - i. Bicuspid valve and tricuspid valve
 - ii. Right auricle and left auricle
 - iii. SA node and AV node
 - iv. Myogenic heart and neurogenic heart
5. Write briefly the source and function of different digestive enzymes.
6. Write a brief description on ABO blood group system.

Part B: Practical

Answer any one question [within 150 words]

1. Write down the process of determination of ABO blood group in human. Mention the importance of ABO system.
2. Draw and label any WBC cell that you have studied with its characters.
3. Write down the principle and procedure of total count (TC) of RBC in human.
4. Describe the structural features and function of haemocytometer.

E-mail id for submission of answer script: **zoopkceexam4h@gmail.com**