

PRABHAT KUMAR COLLEGE, CONTAI
Question Paper

B.Sc. Honours Examination 2020

(Under CBCS Pattern)

Semester-II

Subject: ZOOLOGY

Paper : C4 (T + P)

Cell Biology (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. Describe the ultra structure of plasma membrane. Write four functions of plasma membrane.
2. Describe briefly different types of membrane transport with examples.
3. Describe the structure and function of peroxisome.
4. What do you mean about cell signaling? Describe different types of cell signaling with examples.
5. Describe the different sub-phases of prophase I of meiosis-I.
6. How cell signaling is transduced through GPCR system?

Part B: Practical

Answer any one question [within 150 words]

1. Write the procedure of study of various stages of meiosis in grasshopper testes. Draw any one stage.
2. Write down the principle and procedure of cell viability test by Trypan blue staining.
3. Write down the principle and procedure of mitochondria staining through vital staining.
4. Write the procedure of study of various stages of mitosis in onion root. Draw any one stage.

E-mail id for submission of answer script: **zoopkceexam2h@gmail.com**