

U.G. 3rd Semester Examination - 2020

ZOOLOGY

[HONOURS]

Course Code : ZOOL-H-CC-P-07

[PRACTICAL]

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer all the questions.

1. a) Discuss the qualitative test for distinguishing aldoses from ketoses.
b) What is saponification test? Write down the reaction showing formation of soap molecule.
2+(2+1)
2. a) What is basic principle of paper chromatography?
b) Define Retention factor (Rf).
c) How do you identify amino acids in paper chromatography? 2+2+1

OR

- a) Write the full form of SDS-PAGE.
- b) What is the role of SDS in SDS-PAGE?

- c) How protein separation is done by SDS-PAGE?
1+2+2
3. a) State the principle of quantitative estimation of protein by lowry method.
b) Make a list of reagents required for lowry method.
c) What is a standard curve? 2+2+1
4. Submission of laboratory note book. 5

[Turn over]