

M.Sc. 1st Semester Examination, 2024

ZOOLOGY

PAPER – ZOOL-109

Full Marks : 50

Time : 5 hours

Answer all questions

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. Demonstrate the model of the given laboratory specimen with a suitable labeled diagram.**
(NB :)6 + 2

- 2. Perform the demonstration of total anatomical structure of given specimen/sample with the help of a suitable technique.**5
(NB :)

(Turn Over)

3. Histochemically identify the Lipid molecules within the human blood RBC & Leucocytes respectively. Draw and Label it. 5 + 2
4. (a) Estimate the BHT of your partner as per given instructions and infer on 'Breaking point'. 8 + 2

Or

- (b) Draw a labelled diagram of the Dale's apparatus. Write down the stepwise process of conducting the experiment on smooth muscles. How can hypoxia be indicated from the given kymogram? 4 + 4 + 2
5. Identify the following with reasons : - (slides/specimen) 2 × 5
- (a)
- (b)
- (c)
- (d)
- (e)