

No. of Printed Pages : 1

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Sl. No.

M.Sc. IV Semester Degree Examination, Sept./Oct. - 2024

ZOOLOGY

DSE 4 : B Histology and Histotechniques

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question No. **1 compulsory**, each question carries **equal** marks.

1. Illustrate the working principle and components of light microscope. Add a note on tissue processing. **14**
2. Describe the structure of bone tissue. Add a note on its growth and development. **14**
3. Describe the cells, capillaries and nodes of lymphoid tissue. **14**
4. Describe the following :
 - (a) Histology of Liver **7**
 - (b) Histology of Ileum **7**
5. Give an account on Rotary microtome and add a note on steps involved in tissue sectioning. **14**
6. Write short notes on the following :
 - (a) Components of connective tissue **7**
 - (b) Haemopoiesis **7**
7. Write short notes on the following :
 - (a) Extrahepatic biliary system **7**
 - (b) Special staining methods **7**
8. Write short notes on the following :
 - (a) Mechanism of contraction of muscles **5**
 - (b) Histology of human eye **5**
 - (c) Pictomicrograph of tongue **4**

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