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(20517)

Roll No.....

B.Sc.(Micro.)-II Year

3502

B.Sc. (Micro.) Examination, May- 2017

BIOLOGY-III

(B-209)

Time : Three Hours )

Maximum Marks : 50

Note : Attempt any five questions. Each question carries equal marks.

1. What do you mean by holozoic nutrition?

Describe the process of digestion of food in mammals. 10

2. Describe the process of gaseous exchange in amphibians. 10

3. Explain the mechanism of water absorption

P.T.O.

in plants. Leave a note on factors affecting

absorption of water. 10

4. Describe Krebs' cycle in detail. 10

5. What is open circulatory system? Describe the main arteries and veins in a mammal.

10

6. Describe the structure and functions of human kidney. 10

7. What is difference between excretion and defaecation? Describe the process of urine formation. 10

8. Write short note on the following : 5x2 = 10

(i) Structure of stomata

(ii) Guttation

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9. Briefly describe the following :  $5 \times 2 = 10$

(a) Passive transport

(b) Girdling or ringing

10. Write short notes on the following:  $5 \times 2 = 10$

(a) Stomach of ruminants

(b) Gaseous exchange in insects