

(20518)

Roll No. ....

B. Sc. (Micro.)-II Year

**3503**

**B. Sc. (Micro.) Examination, May 2018**

**BIOLOGY-IV**

**(B-210)**

*Time : Three Hours*

*[Maximum Marks : 50*

**Note :** Answer any *Five* questions. Each question carries equal marks.

1. Define Endocrine gland. Explain Adrenal gland with its secretion and hormonal disorders. 10
2. Explain the structure and function of ear in mammals. 10

3. Write short notes on the following : 5×2=10

- (a) Circadian Rhythm
- (b) Allosteric and Isometric growth.

4. Write short notes on the following : 5×2=10

- (a) Cytokinin
- (b) Abscisic acid.

5. Write short notes on the following : 2½×4=10

- (a) Dormancy
- (b) Grave's disease
- (c) Ethylene
- (d) Phototropism.

6. Explain metabolism. Describe glycolysis in detail. 10

7. Explain the structure of Neuron and describe transmission of impulse in them. 10

3503

8. Write short notes on the following :  $5 \times 2 = 10$
- (a) Auxetic growth
  - (b) Innate behaviour.
9. Write short notes on the following :  $5 \times 2 = 10$
- (a) Homeostatis
  - (b) Basal metabolic rate.
10. Write short notes on the following :  $5 \times 2 = 10$
- (a) Imprinting
  - (b) Ivan Pavlov Experiment.

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