

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BPMS-506

M.Sc. (Previous) Examination, 2023

ZOOLOGY

Paper - II

(Biological Chemistry, Immunology and Physiology)

Time : 3 Hours]

[Maximum Marks : 75

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 5 × 5 = 25)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) Define the Abzymes.
- (ii) What is Metaproteins ?
- (iii) What do you mean by fasting juice ?

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- (iv) Which enzyme links two separated strands of nucleic acid ?
- (v) Define the cellmediated immunity.
- (vi) Define the Hypoxia.
- (vii) What do you mean by double circulation ?
- (viii) What do you mean by Myaesthenies ?
- (ix) Define the macula densa.
- (x) Explain the role of FSH (Follicle Stimulating Hormone) during spermatogenesis.

Section–B

2. Describe the Pentose-Phosphat Pathway.

Or

Classify the proteins on the basis of their shape and size.

3. Described the cell mediated immunity.

Or

Describe immunity against the various types of Eukaryotic parasitic diseases.

4. Role of enzymes in digestion of protein and carbohydrates in intestine.

Or

Write short note on ECG.

5. Explain the role of Juxtaglomerular apparatus during urine formation.

Or

Describe briefly common disorders of circulatory systems.

6. Write about the disorders of parathyroid secretions.

Or

Describe the male accessory genital glands.

Section–C

7. Describe the biomedical importance of fat soluble vitamins.
8. Write an essay on AIDS.
9. Write an essay on Common Respiratory Disorders.
10. Explain the role of Angiotension-renin hormone in urine formation described in detail.
11. Give an account on menstrual complications.