

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018  
(Second Semester)

Branch -**ZOOLOGY**

**ANIMAL PHYSIOLOGY & BIOCHEMISTRY**

Time: Three Hours

Maximum: 75 Marks

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks (5 x 15 = 75)

- 1 a . Give an account on temperature regulation in homeotherms.  
OR  
b Define respiration. Explain the functions of respiratory pigments.
- 2 a Write a detailed account on biological rhythms.  
OR  
b Explain the mechanism of urine formation.
- 3 a Write an essay on physiology of hearing.  
OR  
b Describe the chemistry of muscle contraction.
- 4 a Narrate the structure and classification of protein.  
OR  
b Discuss elaborately the metabolism of lipids.
- 5 a Give an account on mechanism of enzyme action.  
OR  
b Write down the classification of enzymes.

Z-Z-Z

END