

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018  
(Second Semester)

Branch –ZOOLOGY

ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

Time: Three Hours

Maximum: 75 Marks

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

- 1 a What are the components of blood? Explain the physiology of blood coagulation.  
OR  
b Discuss in detail on Temperature regulation in Homeotherms.
- 2 a Describe the structure of Nephron and explain the physiology of urine formation.  
OR  
b Explain the physiology and significance of Bioluminescence in animals.
- 3 a Describe the conduction of impulse through a non - myelinated nerve fibre.  
OR  
b Write an essay on the physiology of photoreception.
- 4 a Explain Krebs cycle and tabulate the energy budget.  
OR  
b Give a detailed account on Beta oxidation.
- 5 a Write an essay on the classification of enzymes.  
OR  
b Discuss in detail about the mechanism of enzyme action.

Z-Z-Z

END