

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018  
(Second Semester)

Branch -**ZOOLOGY**

**EXPERIMENTAL EMBRYOLOGY**

Time: Three Hours

Maximum: 75 Marks

Answer **ALL** questions

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

- 1 a Examine critically the role of genes in development.  
OR  
b Give an account on egg cortex and development.
- 2 a What is differentiation? Explain the different types of differentiation.  
OR  
b Describe the mechanism of induction.
- 3 a Write an essay on embryo transplantation.  
OR  
b Give an account on antigen - antibody interactions.
- 4 a Discuss elaborately the nucleo-cytoplasmic interactions.  
OR  
b Explain the following :  
(i) Birth control (ii) Infertility (iii) test tube babies
- 5 a Define regeneration. Discuss about the regeneration in planaria.  
OR  
b What is teratogenesis? Explain its basic concepts and their casual analysis.

Z-Z-Z

END