

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**MSc DEGREE EXAMINATION MAY 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 Give a detailed account on polarity and gradients and their role in cleavage.
OR
b Explain the role and potency of nucleus during development.
- 2 a Write an essay on organizer and experiments to prove their role in development.
OR
b Describe the competence and its significance in induction.
- 3 a Write an account on antigen and antibody interaction.
OR
b Explain in detail about embryo transplantation.
- 4 a Write a descriptive note on nucleo – cytoplasmic interactions during development.
OR
b Give an account on causes of infertility and its remedy by test tube baby technique.
- 5 a Write an essay on ‘The Limb as a developing system’ in Amphibia.
OR
b Give a detailed account on causes, mode and effect of teratologic or teratogenic agents.

Z-Z-Z

END