

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch –**ZOOLOGY**

ANIMAL PHYLOGENY & PALAEOLOGY

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 the outline classification of geological time scale and the evolutionary significances of different periods.
OR
b Discuss any three theories associated with coelem which are related to origin of annelids and add notes on the phylogeny of annelids with illustrations.
- 2 a Explain the evolutionary significances of any three larvae and add notes on the phylogeny of echinoderms with illustrations.
OR
b Give an account on the role of peripatus in explaining the evolution of higher invertebrates.
- 3 a Compare and contrast the origin of different groups of fishes with diagrams.
OR
b Elaborate the evolutionary changes in the basic design for life on the land with examples and illustrations.
- 4 a Describe the origin of birds and track the evolutionary significances of flight.
OR
b Compare and contrast the mammals with mammal like reptiles with examples and illustrations.
- 5 a 'Bipedalism is one of the major progressions in evolution' – Discuss.
OR
b Give an account on the evolutionary significances of any five important fossils of human evolution with illustrations.

Z-Z-Z

END