



**ST. LAWRENCE HIGH SCHOOL**



**A JESUIT CHRISTIAN MINORITY INSTITUTION**

**WORK SHEET – 27**

**Class: XII**

**Sub: Biological Science**

**Date: 06.07.2020**

**Topic : Ch 7 (part 5) Embryological and Molecular Evidences of Biological Evolution  
And Adaptive radiation**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

1. The study of development of \_\_\_\_\_ is called embryology.  
a) Zygote b) Embryo c) Larvae d) All of these
2. The early stages of embryo development of man the embryo of man resembles that of :-  
a) Rabbit b) Pigeon c) Fish d) All of these
3. The prominent feature of early vertebrate embryos is :-  
a) Presence of limb buds b) Presence of notochord c) Pharyngeal gill clefts d) All of these
4. Ontogeny recapitulates phylogeny means :-  
a) Developmental history repeats evolutionary history b) Evolutionary history repeats developmental history c) Development of embryos are unrelated d) None of these
5. The Biogenetic law was proposed by :-  
a) Hugo de Vries b) Charles Darwin c) Ernst Haeckel d) None of these
6. Marsupials have evolved about \_\_\_\_\_ million years ago.  
a) 90 b) 2 c) 25 d) 45
7. Marsupials are presently found only in :-  
a) North America b) Australia and New Zealand c) South America d) All of these
8. The pouched mammals are called :-  
a) Marsupials b) Monotremes c) Ungulates d) Rodents
9. Divergent Evolution is also known as :-  
a) Adaptive Convergence b) Convergent Evolution c) Adaptive radiation d) Radiation
10. The origin of new species in the same geographical area is called :-  
a) Speciation b) Allopatric Speciation c) Sympatric speciation d) All of these
11. Adaptive radiation is caused by :-  
a) Reproductive isolation b) Geographical isolation c) Diurnal Separation d) All of these
12. The total number of Passerine species which developed from the ancestral finch stock is :-  
a) 16 b) 5 c) 22 d) 12

13. The finches differ from each other by their :-  
a) Camouflage b) Shape of the beak c) Feeding habit d) All of these
14. Molecular evidence of Biological Evolution includes :-  
a) Similarity in structure of DNA b) Similarity in metabolic process c) Development of embryo  
d) Both (a) and (b)
15. The basic structure of \_\_\_\_\_ is similar in all organisms.  
a) 16s rRNA b) Cytochrome C c) Chlorophyll d) 18S rRNA

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