

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON-PLAN

Class: BSc final year med.

Semester: VI

Subject: zoology Development Biology

Session: 2020-21

Lecture Number	Topic
1	Unit 1 Historical perspective of development biology
2	Aims and scope of developmental biology
3	General structure of mammalian ovum and sperm
4	Spermatogenesis (process of formation of sperm)
5	Oogenesis (process of formation of ova)
6	Revision Test of unit - I
7	Fertilization and Parthenogenesis
8	Different type of egg and pattern of cleavage in invertebrates
9	Pattern of cleavage in invertebrates
10	Process of blastulation in invertebrates
11	Process of blastulation in invertebrates
12	Fate map construction in Frog .
13	Fate map construction in chick
14	Revision of unit 2
15	Unit 3 Gastrulation in invertebrates
16	Gastrulation in vertebrates
17	Gastrulation and formation of three Layers in frogs
18	Gastrulation and formation of three layers in chick
19	Formation of three layers in frog and chick

20	Elementary knowledge of primary organizers
21	Elementary knowledge of primary organizers
22	Revision Test of unit3
23	Unit 4 Extra embryonic membrane untrouction
24	Extra embryonic membrane structure and significance in birds
25	Structure and significance in mammals
26	Concepts of competence
27	Concept of determination
28	Concept of differentiation
29	Examples with explanation of determination
30	Concept of Regeneration
31	Examples of Regeration process
32	Revesion of unit4

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