

5	9	The damaged leg is not regenerated in a) Frog c) Salamander	b) Crab d) Frog's tadpole	K1	CO5
	10	Which of the following refers the repair of cell division in a damaged tissue? a) Epimorphosis regeneration b) Morphogenetic movement c) Polarity d) Peristalsis		K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the Polarity in animal eggs.	K2	CO1
	(OR)			
	11.b.	Outline the role of genes in development.		
2	12.a.	Describe the theories postulated to explain the mechanism of induction.	K3	CO2
	(OR)			
	12.b.	Grey crescent is essential for the development of normal embryo. Prove the statement.		
3	13.a.	How the Tissue transplantation is applied to save the life of humans?	K3	CO3
	(OR)			
	13.b.	Embryo transplantation is an effective tool to overcome infertility-Discuss.		
4	14.a.	Test tube baby programme is a boon for infertile couples-Examine.	K4	CO4
	(OR)			
	14.b.	Analyze the importance of birth control.		
5	15.a.	Assess the role of epidermis and blastema during amphibian regeneration.	K4	CO5
	(OR)			
	15.b.	Teratogen-an agent interferes with normal fetal development. Examine.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Justify the statement that 'the whole process of life activities of a cell is a constant interaction between its nucleus and cytoplasm.	K4	CO1
2	17	Differentiation is the vital factor during development. Examine.	K4	CO2
3	18	Analyze the steps and applications of cryopreservation.	K4	CO3
4	19	What do you infer from congenital anomalies?	K4	CO4
5	20	Investigate the regenerative experiments of T.H.Morgan.	K4	CO5