KS-Con. 1024-17.

## **QP Code: 77080**

	•		v	(2½ Hours)	[ Total Marks :	75
	<b>N.</b> 1	(2) A (3) I	All questions are co. All questions carry e Illustrate your answ necessary. Figures to the right	<b>qual</b> marks. vers with suitable di	agrams wherever	
1.	(a)	Using suit of Arabid	lopsis.	in the formation of th	e different organs	8
		Using we	ll labelled diagram	OR s explain how Dictyo	estelium achieves	8
1.	(b)	What are		using a suitable examp	ole.	7
		Explain th	ne role of homeotic g	genes in specifying the	parts of a flower.	7
2.	(a)	Using well	ll labelled diagrams	explain gastrulation a	and neurulation in	10
			C	)R		
		Using a su seen in ch		lain the organogenesis	of eye or limb as	10
2.	(b)	With resp	ect to Amphibians e	xplain gastrulation.		5
				OR		
		Explain tr	he role of neural cre	est cells.		5
3.	(a)	Enlist & g System in		anial nerves of the po	eripheral Nervous	8
				OR .		
_				ne function of the Brai		8
3.	(b)	Discuss st		n of the spinal cord in <b>DR</b>	Human.	7
		Give the o	organisation and fund	tion of the Limbic Sys	tem of the Human	7
					[ TURN OV	ER

4.	(a)	With reference of neural transmission explain, Nernst potential and				
		Goldman equation. •				
		OR				
	Discuss of Typical Nerve Cell and give the different types of nerve					
		that transmit impulse.				
4.	(b)	With reference to biosynthesis and the physiological role, explain	7			
		Glutamate as a neurotransmitter.				
	OR					
	Explain Electrical Synapse and Chemical Synapse of the central nervous					
	•	system.				
_	***		15			
5.	Write short notes on any three of the following:					
		(a) Enlist the major tissues formed from the ectodem, mesoderm and				
		endodum				
		(b) Briefly explain meristems				
		(c) Using a flow-chart only explain in-situ hybridization				
		(d) Ganglionated nervous system citing one example only				
		(e) Learned behavior in animals.				

(f) Cerebrospinal fluid of Human Central Nervous System.