Q. P. Code: 08278

Q.P.CODE

D	uratio	on: 2½ Hrs Max marks:	60			
Note:	1 2	Attempt all the questions. All the questions carry equal marks.				
Q 1	Ansv (a) (b) (c) (d)	(b) Diagrammatically explain life cycle of rabies virus.(c) Write short note on small pox vaccine and eradication of small pox.				
Q 2		wer the following: Any two Describe Five classes of HIV inhibitors. List the type of Human Hepatitis Viruses and explain clinical features of any two them. Justify: Viral factors contribute in emergence and reemergence of viral diseases. Write a note on: CWD				
Q3	Ansv (a) (b) (c) (d)	wer the following: Any two Using suitable diagrams compare meiotic and mitotic cell cycles. Discuss the caspase mediated proteolytic cascade of apoptosis. Discuss the functions of Gap junctions Justify: Egg-polarity genes are responsible for organization of the egg in <i>Drosop melanogaster</i> .	12 Dhila			
Q 4	(a) (b)	wer the following: Any two Justify: Except identical twins, no two off-spring of the same parents are genetic same. Give a brief account of classes of cell surface receptor proteins. Elaborate on the operation of three component MAP-Kinase signaling module. Explain in brief: 1) The role of light in regulation of plant development. 2) The triple response.	12 cally the			
Q 5	Do as directed:					
	(a)	Define/ Explain the term: (Any FOUR) i Orphan virus ii B particle iii Viroids iv AIDS dementia complex v Integrins vi Mitogens vii Spermatogensis viii Signaling Cascade	04			

---- 2 -----

Q 5	(b)	Give	e the significance of: (Any TWO)	
	, ,	i	L protein from rabies genomic RNA	
		ii	Reverse transcriptase	CONTRACTOR OF THE PROPERTY OF
		iii	Microtubules of the mitotic spindle	Ship of
		iv	PI-3 Kinase activity	20, 27, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20
Q 5	(c)	Give	e two examples of: (Any FOUR)	0
		i	Reassement vessels for influenza virus	
		ii	Co-receptors for HHV	
		iii	Human hepatitis virus which have fecal –oral mode of transmission	
		iv	Enzymes whose levels are tested in lab diagnosis of Viral hepatitis	PA A
		V	Extra cellular signal molecules that regulate cell size and number	0,00
		vi	Essential processes by which the embryo is constructed	Sylv
		vii	Water soluble second messenger	Y
		viii	Factors affecting the specific effects of plant growth regulators.	
			\$\cdot\delta\z\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
