

कठोर - 022

: 60

6

ZOOLOGY PAPER - II : ZOO - 112 Cell Biology

D			(115	102)	
	ages : Tv		lours		Max. Marks
	Ins	1.		rawn v	per except Seat No. with the black ink pen being used
		4.	for writing paper or black HB per Students should note, no suppl All questions are compulsory, F Draw neat labelled diagrams w	emen	s to the right indicate full marks.
1.	A)	Mu	Itiple choice questions any six.		
		i)	Cell Biology is the study of a) Tissue c) Cell	b) d)	Organ None of these
		ii)	High lipid content is the character a) Erythrocyte membrane b) Myelin sheath membrane c) Inner mitochondrial membrane d) Outer mitochondrial membrane	rane	c of
		iii)	The plasma membrane is ——— a) Permeable c) Impermeable	b) d)	Selectively permeable Semi permeable membrane
		iv)	Lysosomes are reservoir of — a) Secretory glycoproteins c) Fats	b) d)	RNA Hydrolytic enzymes
		v)	Meiosis is also called as a) Reductional c) Longitudinal	— div b) d)	vision. Equational None of these
		vi)	The aging also affects the a) Glycolysis c) Glyco-phosphorolysis	b) d)	Agelysis None of these

	VII)	The most simplest theory organism by genetic inhe	or ageing s	tates that it is govern	I III CIII	
		a) Age clock	b)	Genetic clock		
		c) Genetic age	d).	None		
	viii)	Movement of particles from their lower concentration	om their high up to the m	ner concentration to t aintenance of an equ	he level of uilibrium is	
		known as a) Osmosis	b)	Diffusion		
		c) Infusion	d)	None		
B)	Ans	wer in one sentence any	six.			6
	i)	What is the name of scie term cell?	ntist who fire	st? Observed and na	med the	
	ii)	What is meaning of Isoto	nic solution	?		
	iii)	What is mean by binucle	ate cell?	e charles a secret		
	iv)	Cytoplasm.				
	v)	What is the long form of	DNA?			
	vi)	What is mean by cytokin	esis.	eg glas seus Porces en average average	di⊊ is in the second of the s	
	vii)	What are plasmids?		est aperie assist		
	viii)	What is mean by perinuc	clear space?			
2.	Def	fine/Explain/Comment any	/ six.	growing the english of		12
	a)	Archaebacteria		sjoneren struk		
	b)	Lipoprotein layer	THE THE NAME OF THE PARTY.	erani me compani		
	c)	Enlist any four cell organ	nelles of anii			
	d)	m – phase				
	e)	Cell - death		Territory upobs and paid		
	f)	Golgi body		- Andrew C		
	g)	Cell wall	74 Tro 84	Wedge will game w		
	h)	Cell cycle		PHONON :		
	i)	Vesicles				

3.	Att	tempt any four from following.	12
	i)_	Eukaryotic cell	
	ii)	Singer – Nicolson model of plasma membrane.	
	iii)	Osmosis	
	iv)	Exocytosis	
	v)	Anaphase	
	vi)	Apoptosis	
4.	Att	empt any three from following.	12
	a)	Sketch and label prokaryotic cell.	
	b)	Describe biological importance of diffusion.	
	_ c)	Sketch and label mitochondria.	
	d)	Structure and functions of Nucleus.	
	e)	Write significance of mitosis.	
5.	Des	scribe in detail any two.	12
	a)	Explain cellular theories of ageing.	
	b)	Explain structure and Functions of endoplasmic reticulum.	
	c)	Define meiosis? Enlist different stages of meiosis?	

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