

ZOOLOGY PAPER - II

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Max.	ма	rks	•	60

Day		•			Cell E (115	Biolog (102)	y		
. Pages : 3 ime : Two Hours				5				Max. Ma	arks: 60
	Instr	ucti	ons t	o Candidates	· · · · · · · · · · · · · · · · · · ·			7 T 1	
		 1. 2. 3. 4. 	Do r Grap for w Stud All q	not write anytl ph or diagram vriting paper d dents should i	ning on quest or should be o or black HB p note, no supp compulsory a	arawn w encil. element and figur	er except Seat I ith the black infinite will be provided es to the right in necessary.	c pen being u	
1.	A)	Mu	ltiple	choice quest	ions any six.			Control of the	6
•		i)	Cel a) c)	I biology is the Tissue Cell	e study of	b) d)	Organ None		
		ii)	a) c)	is the struc Tissue Cell	ctural and fun	ctional (b) d)	unit of body. Organ None		•
		iii)	Lip a) b) c) d)	id bilayer is – Hydrophilic Hydrophobio Hydrophilic Depends on	c and hydropho	obic	Davi etamogastova Lichargastov diùmidastovatika	- IonW (inc	
		iv)	Wł	nich of the foll	owing memb	rane has	s the largest am	ount of protei	ns.
			a) b) c) d)	Inner mitoch	membrane ath membrane nondrial mem hondrial mem	brane	- 1	or viji (j. Savrojski 13.	
		v)	a) c)	is the pow Ribosome Mitochondri	er house of c	ell. b) d)	Lysosome Golgi.	The state of the s	
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	vi)	n cell cyclephase known as synthetic phase. a) S-phase b) G1-phase c) G2-phase d) M-phase							
	vii)	The ageing also affects the a) Glycolysis b) Agelysis c) Glyco phospholysis d) None							
	viii)	The most simplest theory of ageing states that it is govern in an organism by genetic inheritance or. "" a) Age clock b) Genetic clock b) Genetic age d) Clock of age.							
В)	Ans	er in one sentence any six.	6						
•	i)	What is mean by prokaryotic cell?							
	ii)	What is Archaebacteria?							
	iii)	What is mean by unicellular?							
	iv)	What is cell membrane?							
	v)	Enlist various shapes of nucleus.							
	vi)	What is Karyokinesis?							
21	vii)	What do you mean by G2 phase?							
	viii)	What is cell ageing?							
	Defi	e/Explain/comment. any six.	12						
	a)	Eukaryotic cell, b) Prokaryotic cell,	· '-						
	c)	Osmosis, d) Diffusion,	•						
	e)	Exosmosis, f) Endosmosis,							
1	g)	Meiosis h) G1-phase,							
	i)	Cancer.							

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3.	Attempt a	ny four	from th	e following
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- i) Sketch and label eukaryotic cell.
- ii) Explain the unit membrane.
- iii) Explain ultrastructure of nucleus.
- iv) Write any four functions of mitochondria.
- v) Explain in short the phases of cell cycle.
- vi) Write a note on cellular theories of ageing.
- Attempt any three from the following.
 - i) Explain the singer-Nicolson model.
 - ii) Write a note on ER.
 - iii) Give the functions of Ribosomes.
 - iv) Sketch and label cell cycle.
 - v) Write a note on cell ageing.
- Describe in detail of the following any two.
 - i) Explain structure and function of Lysosome.
 - ii) Give an account of the meiotic type of cell division.
 - iii) Explain programmed cell death.

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