Number: 4466			INTERMEDIATE PART-II (12 <sup>th</sup> Class)  Roll No ER-II GROUP-II M (14/10 = 0 = 0				
		PAPER-II		/*/		-2-23	
TIN	ME ALLOV	VED: 20 Minu	tes	OBJECT	IVE N	MAXIMUM MA	ARKS: 17
Q.N	is-correc	t, fill that bubble i	n front of tha	t question numb	er, on bubb	d D. The choice wh le sheet. Use mark zero mark in that o	er or pen to
S.#		QUESTIONS		A	В	C	D
1	The plan of new cell wall formation in a dividing cell is determined by:		Endoplasmic reticulum	Ribosom	es Golgi bodies	Microtubule	
2	observed for	Which one of the following genotypic ratio is observed for cross between heterozygous round and homozygous wrinkled seed in pea?		3:1	1:1	2:1	1:3
3	Which one is used to make the animal eggs transgenic?		By agro bacterium	Hamilylege	Micro propagation	Vortex	
4	Which of the following organisms are use to prevent airborne chemical pollutants?			Transgonic bacteria	Transger Plants	Fransgenic nimals	Transgenic Fungi
5	The prokaryotes may have arisen more than billion years ago.		6.5	5.5	4.5	3.5	
6	Succession is initiated by a few liardy invaders called:		hardy	Predators	Pioneer	Parasitos	Grazers
7	The desert ec	osystem of Souther	n Punjab is:		Thar	Cholistan	Sahara
8	A good exam	de la ravelana da la	al buffer is:	Frest	S. TSI	Lake	Desert
9	Fresh w d flatworms excited very dilute		very	Plana	ssue flu	iid Urine	Uric acid
10	Mature bon	cells are called		Osteoblast	Osteocla	st Chondrocytes	Osteocytes
11	Each myosin filament is surrounded by actin filaments act ach end		A - A - A - A - A - A - A - A - A - A -	03	06	09	12
12	The number	The number of spinal nerves and stroks:		31 pairs	12 pairs	24 pairs	62 pairs
13	The selective	The selective weed killer is:		NAA	IPA	2, 4 D	Ethene
14	Menstruation usually lasts for:		3 – 7 days	3 – 9 day	/s 1 – 3 days	4 – 8 days	
15	Meristems are growing tissues or group of cells that retain the potential to:		Regeneration	Penetratio	on Survive	Divide	
16	In E. Coli, the true replicating enzyme is:		DNA polymerase I	DNA polymerase	DNA e II polymerase III	RNA polymerase II	
17	Which does one bear greater molecular mass among following nitrogenous bases of nucleic acid?		Guanine	Cytosin	e Thymine	Uracil	

IME	ALLOWED: 2.40 Hours SUBJECTIVE MAXIMUM MA Write same question number and its parts number on answer book, as given in the quest	on paper.
OTE:	Write same question number and its parts number on answer sees, g	
		$8 \times 2 = 10$
2. Att	tempt any eight parts.	
(i)	Why leaves are called excretophores?  How most plants have adapted to survive in heat stress?	
(ii)	How most plants have adapted to survive in fever?	
	Why does body temperature increase in fever?	
(iv)	Differentiate between thermonasty and photonasty.	
	Name unpaired facial bones.	
(vi)	What is muscle fatigue? Give its cause.	
(vii)	In which way does germinating pollen tube help the plant?  How can you say that water is compulsory for external fertilization?	
	How can you say that water is compulsory for external results and the construction of	
(ix)	Give four examples of desert ecosystems in Pakistan.	
(x)	What do you know about plant and animal life in tundra?	
(xi)	Give four ways by which we can save energy.	
(xii)	Why forests are important for us?	$8 \times 2 = 16$
3. At	tempt any eight parts.	
(i)	Differentiate between Habituation and Imprinting.	
(ii)	Name the synthetic auxins and describe their commercial applications.	
(iii)	Why anterior lobe of pituitary gland is called master gland?	
(iv)	What is sex limited trait? Give an example.	
(v)	How Epistasis differ from dominance?	
(vi)	What do you know about protanopia and deutranopia?	
(vii)	How recombinant DNA is formed?	
(viii)	What are the two primary goals of human genome project?	
(ix)	Which type of technique is used to replace faulty genes in the body?	
(x)	How nitrogen depletion from soil is being overcome in nature?	
(xi)	Sketch food chain to show various trophic levels?	
(xii)	How moderate grazing is helpful for ecosystem?	6 × 2 = 12
4. A	ttempt any six parts.	
(i)	What is Meristem? Names its types.	
(ii)	Differentiate between Area Pellucida and Area Opaca.	
(iii)	What are the properties of Genetic code?	
(iv)	How transcription bubble is formed?	
(v)	What is the chemical composition of chromosome?	
(vi)	What is Down's syndrome? Give their symptoms.	
(vii)	Can you differentiate between cancerous and normal cells?	
(viii)	What are vestigial organs? Give example	
(ix)	What was the peculiar features of Finches of Galapagos?	
	SECTION-II	3 X 8 = 2
NOT	E: Attempt any three questions.	37.0 2
5.(a)	What is dialysis? Explain procedures of hemodialysis and peritoneal dialysis.	
(b)	What is mitosis? How does mitosis take place in animal cell?	
	the receiver to its normal position after physical trauma?	
6.(a)		4
(b)	What is Grazing? Give its significance.	
7.(a)	Define Nerve impulse. Explain the mechanism involved by labbelled diagram.	
(b)	How did evolution proceed from Prokaryotes to Eukaryotes?	2+2=
8.(a)	State the techniques of raising genetically identical plants and animals.	2+2=
(b	View does an allele affect its partner in a gene pair completely and incompletely?	
9.(a	Write down the process of development of nervous system from ectoderm in chick.	
7.(a	The state of expression of Recombinant Division of Recombination of Recombination Division	A. 00 (MULTA

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