

Life Processes

1	ın ı	Photosynthetic process, atmospheric carboi	n di (oxide is to carbonydrates	b	
	a)	oxidised	b)	Reduced		
	c)	Neutralised	d)	Burnt		
2	When water enters the guard cells the stomata					
	a)	Opens	b)	Closes		
	c)	Open or closes	d)	No effect		
3	On	seeing good food our mouth waters. This f	luid i	is actually	С	
	a)	Water	b)	Hormone		
	c)	Enzyme	d)	None of the above		
4	The enzyme Pepsin is inactive in stomach without the presence of					
	a)	Nitric Acid	b)	Hydrochloric acid		
	c)	Acetic acid	d)	Butyric acid		
5	Vil	li present on the inner lining of the intestina	al wa	all	d	
	a)	Secretes enzymes for digestion	b)	Secretes hormones		
	c)	Decreases the surface area for	d)	Increases the surface area for		
		absorption		absorption		
	Du	ring cellular respiration one molecule of glu	cose	e is first broken down into two	b	
6	mo	lecules of				
	a)	Acetic acid	b)	Pyruvic acid		
	c)	Lactic acid	d)	None of the above		
7	Rajib was absent in the class because of muscle pain which he claims to be due to excess					
	phy	ysical exercise he had done yesterday. This	pain	is due to		
	a)	Formation of lactic acid	b)	Formation of acetic acid		
	c)	Formation of Pyruvic acid	d)	Formation of Hydrochloric acid		
8	Rig	ht part of the human heart contains			С	
	a)	Oxygenated blood	b)	Mixed blood		
	c)	Deoxygenated blood	d)	No blood		
9		e transport of soluble products of photosyn	thes	is is called translocation and it occurs in	С	
	a)	Xylem	b)	Sclerenchyma		
	c)	Phloem	d)	Collenchyma		

10	a) c)	Neutrons Neptune		b) d)	Neurons Nephrons	а
		Contro	ol and Co	00	rdination	
1	Gu	statory receptors will detect				b
	a)	light	 b)	Ta	iste	-
	c)	Smell	d)	To	ouch	
2	The	e gap between two neurons is cal	led			а
	a)	Synapse	<u></u> b)	Sy	nthesise	
	c)	Dendron	d)	A	kon	
3	Inv	oluntary actions including blood in the hind-brain.	pressure, sa	aliva	ation and vomiting are controlled by the	С
	a)	Medals	b)	Ce	erebellum	
	c)	Medulla	d)	Ce	erebrum	
4	A potted plant kept in a room tends to bend towards the direction of light. This movement is called					
	a)	Photographism	b)	Ρŀ	notonastism	
	c)	Photoperiodism	d)	Pł	nototropism	
5	is a growth inhibiter hormone in plants					
	a)	Auxin	b)	Cy	rtokinin	
	c)	Abscicic acid	d)	Gi	bberellic acid	
6	The	e endocrine organ present in hum	ıan female l	but	not in human male is	b
	a)	Testis	b)	O,	vary	
	c)	Pituitary gland	d)	Tł	nymus	
7	If t	here is a deficiency of growth hor	mone the c	hile	d becomes	d
	a)	Blind	b)		entally retarded	
	c)	Giant	d)	D۱	warf	
8	Ped	ople living in coastal areas suffer	less from go			а
	a)	They eat sea food	b)		ney drink sea water	
	c)	They bathe in sea water	d)	Αl	l of the above	
9		e upward or down ward moveme wity. Such movement is called	nt of shoot	and	d root respectively is influenced by	С

	a) c)	Gravity movement Geotropism	b) d)	Gravitytropism Gravitism	
10	The	e direction of impulse in a typical neuro	n is		b
	a)	Axon to dendron	b)	Dendron to axon	
	c)	Both a and b are correct	d)	Both a and b are wrong	
		How do Orga	nisı	ms Reproduce	
1	An	animal which can reproduce by buddin	g is		С
	a)	Bryophyllym	b)	Yeast	
	c)	Hydra	d)	All of the above	
2	Ma	ale reproductive organ in flowering plan	t is		b
	a)	Carpel	b)	Stamen	
	c)	Corolla	d)	Ovary	
3	A f	ertilized ovule develops into a in	an a	ngiosperm plant	а
	a)	seed	b)	fruit	
	c)	flower	d)	cotyledon	
4		nere are sperms formed in the human b	-		d
	a)	Vas deferens	b)	Prostate gland	
	c)	Ovary	d)	Testis	
5		e place where fertilization take place in			b
	,	Uterus	b)	Oviduct	
	C)	Ovary	a)	vagina	
6	Pre	e- natal sex determination has been pro		•	С
	a)	High cost charged by doctors		Possible danger of mother's health	
	c)	Increasing cases of female foeticide	d)	Increasing cases of male foeticide	
7	Col	pper T and Loops are			а
	a)	Contraceptive devices	b)	Conventional devices	
	c)	Conducive devices	d)	Contaminating devices	
8	_	unisexual flower			С
	a)	Do not have carpel	b)	Do not have stamen	
	c)	Has either carpel or stamen	d)	Has either petal or sepal	
9		is a common tube for urine and s	_		а
	a)	Urethra	b)	Uterus	

	c) Ureter	d)	None of the above	
10	Eggs starts developing in human female			d
	a) When she attains puberty	b)	Only after her birth	
	c) After the first menstruation	d)	When she is in her mother's womb	
	Heredity	and	l Evolution	
1	The F2 phenotype ratio of a monohybrid o	ross	studied by Mendel is	С
	a) 1:1	b)	2:1	
	c) 3:1	d)	4:1	
2	If T is for tallness and t for dwarfness, wha according to Mendelism?	it sha	ll be the genotype of a tall pea plant	С
	a) TT	b)	Tt	
	c) Either TT or Tt	,	tt	
3	A Yellow and Round seeded pea plant has	geno	type YyRr. The gametes produced shall be	b
	a) Yy, Rr	_	YR, yR, Yr, yr	
	c) YR, yr	d)	Y, y, R, r	
4	If in human a sperm (22+Y) fertilizes an eg	g (22	+X), the sex of the foetus shall be	а
	a) Male	b)	Female	
	c) Either male or Female	d)		
5	Forelimb of frog, lizard, bird and man has	some	evolutionary relationship. This are	d
	a) Hand relationship	b)	Missing links	
	c) Analogous organs	d)	Homologous organs	
6	The number of autosomes in a human bod	ly cel	lis	а
	a) 44	b)	46	
	c) 22	d)	23	
7	The theory of Natural Selection was propo	sed k	-	b
	a) Lamarck	b)	Darwin	
	c) Mendel	d)	Haldane	
8	How life might have originated on earth w			а
	a) Urey and Miller	•	Oparin and Haldane	
	c) Watson and Crick	d)	None of the above	
9	Surgically removing tails of mice over seve	ral go	enerations' do not yield mice without tails.	d

	inis proves that			
	a) Cutting tail does not cause genetic	b)	Acquired characters during one's own life	
	change. So it not inherited.		are not inherited.	
	c) Neither a nor b is correct	d)	Both a and b are correct	
10	A random change in the frequency of a	lleles in a	any population over several generations	k
	due to errors in the gametes is called			
	a) Gene flow	b)	Genetic Drift	
	c) Genetic error	d)	Genetic crash	
			_	
	Our	Envir	onment	
1	Only % of the energy can be translevel.	sferred f	rom one trophic level to the next trophic	C
	a) 1	b)	5	
	c) 10	d)	20	
	c, 10	α,		
2	Accumulation of non-biodegradable pe	esticides	in different trophic levels is called	k
	a) Biological degradation	b)	Biological magnification	
	c) Biological concentration	d)	Biological deposition	
3	The UV radiation from the sun is likely	to cause	in human	a
	a) Skin cancer	b)	Lung cancer	
	c) Liver Cancer	d)	Brain Cancer	
4	Replacing Plastic cups by paper cups fo	r selling	tea on train may be preferred because	
	a) Paper cups are bio degradable	-		ā
	c)	d)		
5	World Environment day is celebrated o	n		c
	a) July 1	b)	July 5	
	c) June 1	d)	June 5	
6	Which one of the following is a non-bi	odegrada	able substance	a
	a) DDT	b)	Manure	
	c) paper	d)	Cotton cloth	
7	In a terrestrial ecosystem the biomass	of	should be the most	c
	a) Herbivore	b)	Carnivore	
	c) Producer	d)	Any one of the above	
8	Identify the proper food chain			k

	a) c)	Grass frog insect snake Insect frog grass snake	b) d)	Grass insect frog snake Grass frog snake insect	
9	Foo	od web is			(
	a)	Food served through websites	b)	Display of different food items	
	c)	Interlinked food chains	d)	Using food items for a fashion dress	
10	The	e best way to dispose waste is by			ŀ
	a)	Making a paste of all domestic waste and putting them in a river	b)	Separating biodegradable and non- biodegradable waste before disposing in bins	
	c)	Throw the waste on road side	d)	Dumping all domestic waste in litter bin	

Management of Natural Resources

		a.iagee.i			
1	The	e three Rs to save the environment are			С
	a)	Remember, Reduce, Reuse	b)	Recall, Reduce, Refund	
	c)	Reduce, Recycle, Reuse	d)	Reduce, Refund, Reuse	
2	Bio	odiversity hot spots are			а
	a)	Areas where large number of different species are found	b)	Hot Areas where large number of different species are found	
	c)	Areas which became hot due to large number of different species.	d)	Areas where large spot has been created due to death of number of species	
3	Chi	ipko Andolan is associated with			d
	a)	Protesting against pasting of posters on walls	b)	Saving money	
	c)	Using more postal stamps	d)	Saving forest	
4	Sta	ake holders of our forest are			d
	a)	people who live in or around forests are dependent on forest produce	b)	Forest Department of the Government which owns the land	
	c)	the industrialists – from those who use 'tendu' leaves to make bidis to the ones with paper mills	d)	All of the above	
5	Am	nrita Bishnoi lost her life while saving for	est h	naving trees	b
-	a)	teak	b)	khejri	
	c)	bamboo	ď)	segun	

6	Wi	ld life includes			С
	a)	Wild animals only	b)	Wild plants only	
	c)	Wild plants and animals	d)	All plant and animals	
7	Ga	nga action plan has been initiated to			С
	a)	Dredge and make the river better for water transport	b)	Increase fishery in the Ganges	
	c)	Clean excessive pollutants in Ganges water	d)		
8	A local system of canal irrigation called kulhs is practiced in				
	a)	Himachal Pradesh	b)	Arunachal Pradesh	
	c)	Andhra Pradesh	d)	Madhya Pradesh	
9	Indira Gandhi Canal has brought greenery to considerable areas of				b
	a)	Gujarat	b)	Rajasthan	
	c)	Haryana	d)	Uttar Pradesh	
10	Coi	nservation of Wildlife includes			d
	a)	Preventing poaching of animals	b)	Construction of National parks, Sanctuaries	
	c)	Ban on trading endangered species	d)	All of the above	