SSLC Exam 2022

Biology Answer Key

Ву

www.educationobserver.com

1	Cone Cel	Cone Cell				
2		b. Amino Acid				
3	22+Y	22+Y				
4	Ripening	Ripening of Leaves and Fruits- Ethylene				
5	B Negativ	B Negative				
6	Plasmid					
7	Eye Spot					
8	Heartbeat to increase					
9	Bacteria→leptospira					
10	a. gene th	a. gene therapy				
	b. Gene therapy is the method of curing genetic diseases by removing disease-					
	causing genes from the genome and inserting normal functional genes.					
11	a. Cercopithecoidea					
	b. Developed brain, free moving hands					
12	a. 44					
	b. Female, because sex chromosome is XX					
13.	А	В		C		
	Cornea The projected transparent		x +	Refracts light rays to focus on		
	Cornea	1 / 1	the retina			
	anterior part of the sclera			the retina		
	Pupil	Pupil The aperture seen at the center of the iris		Regulates the amount of light		
	1			falling on the eyes		
	Yellow spot The part of the retina where					
		plenty of photoreceptors	Point of maximum visual			
		present.		clarity'		
	D1					
14	a. Phermone b. Musik in the nuck door, givet on in givet gat. Rombygol in female gillgyorm					
	b. Musk in the nusk deer, civet on in civet cat, Bombycol in female silkworm c. Pheromones help in attracting mates, to inform the availability of food, to					
	determine the path of travel and to inform about dangers.					
15	a. Cell Wall					
15.	b. Lignin, Cutin, Suberin					
	c. A polysaccharide called callose prevents the entry of germs which have crossed					
	the cell wall, through the cell membrane.					
16.				ria		
	Spread through air			Spread through Anopheles mosquito		
	Bacteria is the pathogen			Protozoa is the pathogen		
	Loss of body weight, fatigue,			High fever with shivering and profuse		
	persistent cough			sweating		

17	a. myelin sheath				
	 Provide nutrients and oxygen to the axon. 				
	 Accelerate impulses. 				
	 Accelerate impulses. Act as an electric insulator. 				
	 Protects the axon from external shocks. 				
-9	Gives white appearance (white matter) to the neural parts. a. Sickle Cell Anemia				
18	 b. The defects of genes cause deformities in the sequencing of amino acids which are the building blocks of haemoglobin. As a result of this, the structure of haemoglobin changes. c. Occurrence of fatigues weakness due to decreased transportation of oxygen into tissues 				
19.	a. i. r				
19.	 ii. Rr iii. Rr iv. rr b. Round Seed c. During gamete formation, the factors that determine a particular character segregate without getting mixed. 				
20	a. Theory of Natural Selection				
	 b. Overproduction Struggle for existence Those with unfavourable variations are destroyed and survival of others Favourable variation are transferred to next generation Accumulation of variations inherited through generations Orgin of new species 				
21	a. Aqueous humor				
	b. This fluid supplies nutrients and oxygen to cornea and lens.c. Glaucomad. Laser surgery.				
22	a. Thromboplastin b. Tissues of the wounded part degenerate to form the enzyme thromboplastin c.				
	 Tissues of the wounded part degenerate to form the enzyme thromboplastin. Thromboplastin converts prothrombin in the plasma to thrombin. Thrombin converts the fibrinogen in the plasma to fibrin. Blood clot is formed by the entangling of platelets and red blood cells in the fibrin network. 				
23.	a.				

