BIOLOGY SAMPLE TEST 3

1. Spinal nerves contain

- A. sensory fibers
- B. motor fibers
- C. none of them
- D. both sensory and motor fibers
- E. blood vessels

2. Which statement is true about rods?

- A. They are responsible for the detection of dim light
- B. They are responsible for color vision
- C. They are found in the cochlea
- D. Their amount is about 6,5 millions in the retina
- E. They are found in the olfactory epithelium

3. Crossing over occurs

- A. in mitosis
- B. in the first meiotic prophase
- C. in the second meiotic prophase
- D. during translation
- E. during transcription

4. Bile is produced

- A. in the gall bladder
- B. in the liver
- C. in the jejunum
- D. in the pancreas
- E. in another organ, not mentioned above

5. Human red blood cells

- A. contain nucleus
- B. are responsible for blood clotting
- C. are important cells of the immune system
- D. contain hemoglobin
- E. are produced in the thymus

6. The number of chromosomes in a human diploid cell is

- A. 23
- B. 44
- C. 46
- D. 1
- E. 2

A. 23 B. 44 C. 46 D. 1 E. 2							
8. The hormone that	decreases blo	od glucose level	is				
A. adrenaline B. cortisol C. glucagon D. insulin E. estrogen							
9. Which statement	s <u>false</u> about 1	meiosis?					
 A. it is for gamete production B. It consists of two divisions C. Cells become haploid by the end of Meiosis I. D. Sister chromatids separate in Anaphase I. E. The homologous chromosomes form tetrads in Prophase I. 							
10. Influenza is caused by							
A. a bacterium B. a virus C. a protozoa D. yeast E. prions							
11. Which statement is true about Golgi complex?							
 It synthesizes proteins It does protein sorting It does covalent modifications on certain proteins It has ribosomes on the surface It does packaging of proteins 							
A. 1,2,3	B. 1,4	C. 2,3,5	D. 1,2,3,5	E. 2.			

7. The number of DNA molecules in a human diploid cell during G1 phase is

12. Which statemen 1. secretory prote 2. cell membrane 3. lysosomal prot 4. DNA-polymer 5. RNA-polymer	eins are synthese proteins are synthese is synthese are synthese are synthese is synthese is synthese in the synthese is synthese in the synthese is synthese in the synthese in the synthese is synthese in the synthese in t	sized here ynthesized here esized here zed here	nic reticulum?	
A. 2.	B. 4.5.	C. 1,2,3	D. 3.	E. 1,3
13. Which statemen	t is true about t	he pituitary glar	nd?	
 It consists of a The anterior lo Cells of the an Cells of the an It is located be 	bbe is connecte terior lobe pro- terior lobe pro-	d to the hypotha duce growth hor duce oxytocin.		:
A. 5.	B. 1,2,3	C. 1,3,5	D. 3,4,5	E. 2,4
14. Which statemen	t is true about o	connective tissue	e?	
 red blood cells lymphocytes a fat cells are ce neurons are ce osteocytes are 	re cells of the olls of the conne lls of the conne	connective tissue ective tissue ective tissue		
A. 1,2,3,4	B. 1,2	C. 4	D. 1,2,3,5	E. 3,5
15. Which expression	ns are correct for	or Turner syndror	ne?	
 triploidy monoploidy monosomy gonosomal aneuploidy 				
A. 1,4	B.3,4,5	C.2,4,5	D. 3.4.	
16. Which expression	ns (statements)	are correct for K	linefelter syndron	ne?
1. triploidy 2. trisomy 3. aneuploidy 4. autosomal 5. one inactive 2	X in the nucleus			

A.2,3,4 B.2,3,5 C.1. D.1,2,3,4,5.

17. A person with blood group AB+ can have parents whose blood group is									
	1.AB+ and AB+ 2.A + and B+ 3.B+ and 0+ 4.AB+ and 0+ 5. AB- and O-								
	A. 1,2	B.1,2,4	C.1.2.3.4	D.2. E.5.					
18. Hormones that help to coop with stress are									
	 insulin cortisol, ACTH glucagon ACTH, glucagons insulin, glucagon 								
	A.1,3	B.2	C.1.2.3	D.4 E.5.					
19. Macrophages are									
	 white blood cells red blood cells thrombocytes cells for immune defense cells that do phagocytosis. 								
	A. 2.	B. 3.	C. 4,5.	D. 4,5	E.1,4,5.				
20. Which are the final products of cellular respiration in human liver cells?									
	 Oxygen Carbon-dioxide Nitrogen water ATP 								
A	A. 2.	B. 1.	C. 4,5	D. 1,4	E.2,4,5.				