ENTRANCE EXAM SAMPLE QUESTIONS

English

DIRECTIONS: In the following questions, you are to determine the relationship between the first pair of capitalized words and then decide which of the answer choices shares a similar relationship with the third capitalized word.

1. OCCULT : OVERT :: SECRET :

- a. abstract c. outward
- b. science d. concealed

2. OLFACTORY : NOSE :: TACTILE :

- a. tacit c. bloody
- b. sensation d. finger

3. ABIDE : DEPART :: STAY :

- a. over c. home
- b. play d. leave

4. NECKLACE : ADORNMENT :: MEDAL :

- a. jewel c. bravery
- b. metal d. decoration

5. **PROCLIVITY : INCLINATION :: BARBAROUS :**

- a. refined c. uncouth
- b. typical d. volatile

DIRECTIONS: In each of the sentences below, one word is in italics. Following each sentence are four words or phrases. For each sentence, select the word or phrase that best corresponds in meaning to the italicized word.

- 6. The soldiers retreated to a position of *comparative* safety.
 - a. objective c. relative
 - b. subjective d. scientific
- 7. He smiled *wryly*.
 - a. deceptively c. nastily
 - b. ironically d. delightfully
- 8. His *ineptitude* cost him his job.
 - a. inaccuracy c. inefficiency
 - b. tardiness d. poor attitude
- 9. He used the *allotted* study time to complete his assignments.
 - a. authorized c. agreed
 - b. designated d. alerted

10. A *simulated* rescue mission was conducted by the forest rangers.

a.	Pretended	c. stimulated
b.	Superficial	d. simultaneous

DIRECTIONS: For each of the following test items, select the word that has the same or almost the same meaning as the word printed in capital letters.

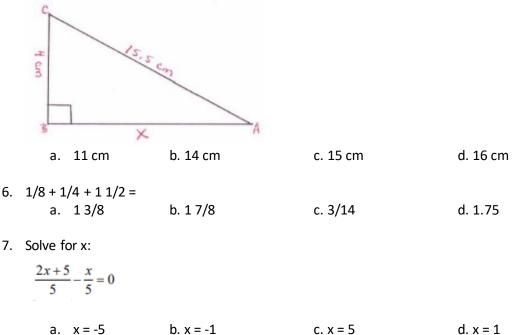
	11. PERSONABLE					
	a.	intimate	c. attractive			
	b.	cheerful	d. superficial			
	12. FORBEARANCE					
		Indulge	c. politeness			
	b.	Pliancy	d. impatience			
	13. UNETH	IICAL				
	a.	Vulgar	c. pompous			
	b.	Feasible	d. unscrupulous	5		
Life	Sciences					
		<u>.</u>	2			
1.		ne following is a cranial k	oone?			
	-	ethmoid bone		c. nasal bone		
	D.	maxilla		d. mandible		
2.	The vitami	n that helps clotting of th	ne blood is			
	a.	С		с. Е		
	b.	D		d. K		
3.	3. Which of the following blood components is responsible for the formation of blood clotting to stem the loss of blood during an injury?					
		neutrophils		c. monocytes		
	b.	lymphocytes		d. platelets		
4.	1. The airways is to the food tube, or esophagus.					
	a.	anterior	c. proxi	imal		
	b.	posterior		d. distal		
5.	 The fundamental principle expressed by the Einstein Equation, E= mc², on mass-energy equivalency is that 					
	a.	small mass = much ene	rgy	c. little energy = great mass		
	b.	small mass = little ener	gy	d. all the above		

- 6. The cell that is responsible for maintaining bone matrix once it has formed is
 - a. osteoclasts c. osteocytes b. osteoblasts d. fibroblasts
- 7. An atom is neutral if the number of its electrons is equal to its
 - a. number of protons c. atomic weight

		b.	number of nuc	leons		d. none of the above	
•	8. The barrier between a cell and its environment is the						
8.	The ba			and its environm	nent is ti		
		-	nucleus			c. nuclear envelope	
		b.	cytoplasm			d. plasma membrane	
9.	Which	tiss	ue forms coverir	ngs, linings, and g	zlands?		
•			adipose	b. connective	J	c. epithelial	d. muscular
			a all pool				
10.	Which	of t	he following is N	IOT an accessory	organ o	of digestion?	
		a.	the appendix		c. the	liver	
		b.	the gall bladde	r	d. the	pancreas	
11	The ph	arvr	2V				
11.	i ne pi	-		he internal nare	s to the	esonhagus	
				f smooth muscle		coopilagas.	
			•	serous membrar			
				piratory, but not		stive, system.	
		0.		shatery, sat not		stre, system	
12.	The sit	es o	f exchange betw	veen the blood a	nd the t	issues are the	
		a.	arteries		c. arte	rioles	
		b.	capillaries		d. ven	ules	
13.	A Papa	nico	blaou smear				
_0.				ed for all men as	part of	an annual exam.	
				for some forms	•		
		c.	cannot detect	changes that ma	ay be ass	ociated with cancer.	
	d. examines non-keratinized stratified squamous epithelium.						
	A I		·				
14.	A neut		10:1	b. 1000:1	ratio of	their masses is approxi c. 1400:1	d. 1800:1
		a.	10.1	5. 1000.1		C. 1400.1	u. 1000.1
15.	The m	ass r	number (A) of ar	n atom is equal to	o the sur	m of the	
		a.	neutrons	b. protons		c. nucleons	d. atomic masses minus
				·			the total binding energy
Ma	themat	tics					
	1. 20	+ 8	x 10 + 10 ÷ 2 =				
	1. 20		145	c. 285			
			65	d. 105			
		5.	00	0.105			
	2. W	hen	eight times a nu	mber is increase	d by 12,	the result is 140. Wha	t is the number?
		a.	13.6	c. 44			
		b.	16	d. 35			

3. What percent of 15 is 8? a. 53% c. 7%

- b. 120% d. 23%
- 4. 28 + 5 (2 x 6) (9 + 3) = a. 390 c. 76 b. 34 d. 82
- 5. In the following triangle, what is the length of the side marked "x" to the nearest cm?



- 8. A crew of electrician can wire 6 houses in 144 hours. How many hours will it take them to wire 9 houses?
 - a. 144 hrs b. 216 hrs c. 375 hrs d. None of the above
- 9. Which of the following statements about logarithmic functions is true?
 - a. natural logarithms have a base of 10
 - b. common logarithms have a base of 10
 - c. all logarithmic functions have a base of 10
 - d. none of the above

10. Calculate Log [(20)(8)].

a.	Log (28)	c. Log (20)- Log (8)
b.	Log (160)	d. 2.204

Complete the following conversions:

11. 230 cm = n	neters						
a. 23 m	b. 2.3 m	c. 0.23 m	d. 230 m				
12. 3.45 km = cm							

a. 34,500 cm b. 3,450 cm c. 345 cm d. 345,000 cm

13. 0.179 Кg= g							
	a.	179 g	b. 1.79 g	c. 17.9 g	d. 1,790 g		
		-	-	-	_		
14. 87°	14. 87° Fahrenheit = °C						
	a.	16.3	 b. 66.1	c. 30.6	d. 43.2		
15. 40 °C = ° Fahrenheit							
	a.	129.6	b. 104	c. 72	d. 98.6		