DEPARTMENT OF BIOTECHNOLOGY UNIVERSITY OF KARACHI SAMPLE TEST PAPER

NOTE: EACH QUESTION IS FOLLOWED BY FOUR CHOICES. CHOOSE THE BEST OPTION.

1.	library every	dents who are preparing to take their qualifying examination have been studying in the night the last three months.
		since
		until
		before
	D.	for
2.		of the play, 'Mourning Becomes Electra', introduces the cast of characters and
	hints at the p	
		The act first
	В.	Act one
		Act first
		First act
3.	As soon as	with an acid, salt is formed)
		a base will react
	B.	a base reacts
	C.	a base is reacting
	D.	the reaction of a base
		$\langle \langle \langle \rangle \rangle \rangle$
4.	To answer acc	urately is more important than
	A.	a quick finish
	В.	to finish quickly
	C.	finishing quickly
	D.	yon tinish quickly
5.	It takes 30°c	lays to fill a laboratory dish with bacteria. If the number of bacteria double each day,
	how long wi	Il intake for the bacteria to fill one-half of the dish?
	A	Modays
	\\\B.\	29) 5 days
	V/ 1/2 E.	29 days
		15 days
6.		e following integers has the most divisors?
		88
	В.	
	C.	
	D.	101

7.	The cost of two flasks and a beaker totals Rs. 175. If the beaker costs Rs. 25 more than the flasks, what is the cost of a pair of flasks. A. Rs. 100 B. Rs. 75 C. Rs. 125 D. Rs. 115
8.	Successive discounts of 20% and 15% are equal to a single discount of A. 30% B. 32% C. 34% D. 35%
9.	Eighty (80) is equal to A. $16\sqrt{2}$ B. $8\sqrt{2}$ C. $4\sqrt{5}$ D. None of the above
10.	The ability of the lens to distinguish two closely lying objects is A. Resolution B. Optical Density C. Transmittance D. All of them
11.	Which of the following processes does not involve carrier mediated transport? A. Active transport B. Facilitated diffusion C. Simple diffusion D. Transport that involves adding a PO ₄ group to a nutrient.
12.	The characteristic feature of the Gram negative bacteria is the presence of: A. Lipoprotein envelop B. Reptidoglycan C. Starch D. Glycogen
13.	Rb is an abbreviation for base-pairs of DNA or RNA. 2. 10 B. 100 C. 1000 D. 10000

14.	The site of protein synthesis is / are: A. Mitochondria B. Nucleus
	C. Ribosomes
	D. Golgi apparatus
	D. Goigi apparatus
15.	Enzymes produced continuously throughout the life cycle of the cells areenzymes.
	A. Substitutive
	B. Constitutive
	C. Inducible
	D. None of them
	2. Itolic of them
16.	The Sequence of amino acids residues in a peptide chain is:
10.	A. Secondary structure
	B. Primary structure
	C. Quaternary structure
	D. Tertiary structure
17.	What is the net production of ATP in anaerobic glycolysis?
	A. 2 moles
	B. 4 moles
	C. 6 moles
	D. 8 moles
18.	Ordinary hydrogen molecule is a mixture of two forms of hydrogen. These are called:
	A. Ortho and para hydrogen \
	B. Ortho and meta hydrogen
	C. Meta and para hydrogen
	D. None of them.
19.	VII–A group is termed as Halogens because they are:
17.	A. Guprorodicers
	B. Salt producers
	C. Acid producers
	Q. Past producers
	1 Ar Kostons
20.	Transition elements form:
	A. Anions
	R. Cations
	Complex ions
	D. Simple ions