



**University of Asia Pacific**  
**Department of Pharmacy**  
**Admission Test, Fall 2022**

Marks Obtained

Name:		Chemistry	
		Biology	
App. Sl. No:-		English	
		Total	

Write the correct answer(s) in the answer box in capital letter

**Chemistry**

#	Questions	Answer
1.	What is the product of Hoffman degradation reaction of benzamide? A) Aniline B) Nitrobenzene C) Nitroanilide D) Diphenyl amide	
2.	What type of organic compound can be detected by carbylamine test? A) Primary amine B) Aldehyde C) Amide D) Primary alcohol	
3.	The bond angle of ammonia is- A) 109.5 B) 104.5 C) 107 D) 120	
4.	Which compound forms the strongest hydrogen bond? A) Ethanol B) Ethanoic acid C) Water D) Ammonia	
5.	Which ion shows brick red color in flame test? A) Cu B) Ca C) Ba D) K	
6.	Which one is formalin? A) 6-10% ethanoic acid B) 96% ethanol C) 30% of hydrogen peroxide D) 40% aqueous solution of formaldehyde	
7.	Bromine reacts with ethene. What is the mechanism for this reaction? A) Nucleophilic addition B) Nucleophilic substitution C) Electrophilic addition D) Electrophilic substitution	

8.	This is the chemical formula for three molecules of Aluminum Sulfate, $3 \text{ Al}_2(\text{SO}_4)_3$ . How many total atoms of oxygen are present? A) 36 B) 3 C) 12 D) 72	
9.	The half-life period of an isotope is 2 hours. After 6 hours what fraction of the initial quantity of the isotope will be left behind? A) 1/6th B) 1/3rd C) 1/8th D) 1/4th	
10.	The mass number of a nucleus is _____. A) Always less than its atomic number B) Always more than the atomic weight C) The sum of the number of protons and neutrons present in the nucleus D) A fraction	

## Biology

#	Questions	Answer
1.	What is the largest organ in the body? A) Liver B) Skin C) Lungs D) Heart	B
2.	Which of the following is the main function of the respiratory system? A) Coordinate activities of the body B) Imparts immunity C) Digestion of fatty acid D) Transport of oxygen	D
3.	What is the normal blood glucose level? A) 1.7-3.9 mmol/L B) 7.8-11.0 mmol/L C) 3.9 to 5.5 mmol/L D) 5.6-6.9 mmol/L	C
4.	What is the basic functional unit of the renal system? A) Nephron B) Neuron C) Axon D) Schwann Cell	A
5.	What is septicemia? A) Infection of the bloodstream B) Infection of the liver C) Pain in the heart D) Both A and C	A
6.	Scurvy is a condition associated with the deficiency of which vitamin? A) Vitamin A B) Vitamin B12 C) Vitamin C D) Vitamin K	C
7.	Insulin is a _____. A) Neurotransmitter B) Hormone	B

	C) Enzyme	D) All of the above	
8.	What is the main function of the hypothalamus? A) To maintain homeostasis                      B) To store long-term memories C) To coordinate voluntary movements                      D) To coordinate involuntary movements		A
9.	What is the average life span of erythrocytes? A) 7 days    B) 120 days C) 30 days    D) 50 days		B
10.	Which one of the following is cardiac muscle of the heart? A) Endocardium    B) Pericardium C) Epicardium    D) Myocardium		D

## English

#	Questions	Answer
1.	By the time I returned home, they _____ the meal. A) was already eating    B) had already eaten C) were already eating    D) already ate	B
2.	They have been at the hotel _____ last week. A) for    B) at C) since    D) on	C
3.	Synonym of " disburse' is A) save    B) propose C) pay out    D) join	C
4.	_____, the match was cancelled. A) According to the rain    B) In spite of the rain C) Owing to the rain    D) As it rain	C
5.	If I _____, I would buy a big house. A) had won the lottery    B) win the lottery C) won the lottery    D) have won the lottery	C