



NUMS ENTRY TEST (NET)
Sample Question Paper – PART ‘1’
(Biology, Chemistry, Physics & English)

Name: _____

Roll No: _____

CNIC: _____

INSTRUCTIONS:

- Number of Multiple Choice Questions (MCQs): 150
- Time Allowed: **2 Hours 30 Minutes**
- Each MCQ shall carry 1 (One) mark with **No Negative Marking**.
- Each MCQ has 4 (Four) options. **Select the most appropriate (one best) option.**
- **Your Question Paper ‘Code’ is given on the top right corner. Fill the correct bubble in the column ‘IV’ of your answer sheets, as per this ‘Code’.**
- Use Question Paper Booklet for rough work.
- **Avoid cutting, overwriting and erasing on the answer sheet.**
- Fill the answer sheet with **black/blue ball point only.**

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S.NO	Question	Topic	Difficulty Level
<u>BIOLOGY</u>			
1.	Chief material present in the cell wall of plant, fungal and prokaryotic cell is:	Cell Structure & Function	Easy
	a. Proteins		
	b. Lipids		
	c. Polysaccharides		
	d. Phospholipids		
2.	Most abundant organic compound in mammalian cell is:	Biological Molecules	Easy
	a. Water		
	b. Lipids		
	c. Carbohydrates		
	d. Proteins		
3.	In human digestive system, chylomicrons are formed by the combination of:	Life Processes in Animals & Plants	Hard
	a. Proteins and carbohydrates		
	b. Fats and proteins		
	c. Fats and carbohydrates		
	d. Vitamins and fats		
4.	Myofibrils within the muscle fibres contain thick and thin filaments made up of _____, respectively:	Support and Movement	Moderate
	a. Myosin and actin		
	b. Globulin and albumin		
	c. Troponin and Tropomyosin		
	d. Fibrin and Fibrinogen		
5.	Which part of the human brain is responsible for controlling body coordination?	Coordination and Control/ Nervous & Chemical Coordination	Moderate
	a. Medulla		
	b. Amygdala		
	c. Cerebellum		
	d. Pons		

CHEMISTRY

6.	1 mole of any substance contains _____ particles.		Introduction to Fundamental Concepts of Chemistry	Easy
	a.	6.02×10^{23}		
	b.	6.02×10^{24}		
	c.	6.02×10^{22}		
	d.	3.01×10^{23}		
7.	Which of the following orbitals will be filled first than 4p?		Atomic structure	Moderate
	a.	4s		
	b.	2p		
	c.	3d		
	d.	1s		
8.	Acidic buffer consists of :		Chemical Equilibrium	Hard
	a.	Strong acid and salt of it with a weak base		
	b.	Weak acid and salt of it with a strong base		
	c.	Strong acid and salt of it with a strong base		
	d.	Weak acid and salt of it with a weak base		
9.	The breakdown of a substance with current is:		Electrochemistry	Moderate
	a.	Thermolysis		
	b.	Catalysis		
	c.	Electrolysis		
	d.	Photolysis		

PHYSICS

10.	The product of force and time is equal to:		Force and motion	Easy
	a.	Angular momentum		
	b.	Force		
	c.	Change in momentum		
	d.	Velocity		
11.	If we double both the speed of body and radius of circular path, then centripetal force will be:		Rotational & Circular Motion	Moderate
	a.	Same		
	b.	Double		
	c.	4-times		
	d.	8-times		
12.	Time period of a vibrating body is independent of:		Waves	Moderate
	a.	Frequency		
	b.	Amplitude		
	c.	Wavelength		
	d.	Value of 'g'		

13.	If length of the wire becomes two times to its original value and area becomes one half to its original value, then resistance of the wire becomes:		Current Electricity	Hard
	a.	Double		
	b.	Four times		
	c.	One half		
	d.	One fourth		
<u>ENGLISH</u>				
14.	Choose the correct sentence.		Tense / Sentence structure	Moderate
	a.	The Three Musketeers was written by Dumas.		
	b.	The Three Musketeers were written by Dumas.		
	c.	The Three Musketeers has written by Dumas.		
	d.	The Three Musketeers have written by Dumas.		
15.	Choose the correct spelling:		Spelling	Easy
	a.	Dafinite		
	b.	Defanit		
	c.	Dafanite		
	d.	Definite		