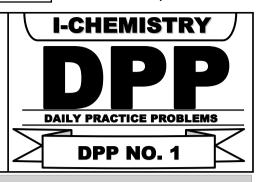


TARGET: NEET (UG) 2024

**Course: SARANSH (Youtube Live CRASH COURSE)** 



## **Organic Chemistry: Periodic Table**

**DPP No.: 1** 

SR. No.	DPPs Qs. Details		Marking Scheme				Time Details		
	Type of Questions	Code	Full	(–)ve	Total	Total	Qs Time	Max. Time	
			Marks	Marks	Ques.	Marks	(in Min.) for Each Qs	(in Min.)	
1	MULTIPLE CHOICE QUESTION (ONLY ONE CORRECT OPTION)	MCQ	4	-1	10	40	1	10	
	Total				10	40		10	

- 1. The long form of periodic table has
  - (1) Eight horizontal rows and seven vertical columns
  - (2) Seven horizontal rows and eighteen vertical columns
  - (3) Seven horizontal rows and seven vertical columns
  - (4) Eight horizontal rows and eight vertical columns
- 2. All the s-block element of the periodic table are placed in the group.

(1) IA and IIA

(2) IIIA and IVA

(3) B sub groups

(4) VA to VIIA

- 3. The element having the electronic configuration 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>6</sup>, 3s<sup>2</sup> 3p<sup>1</sup> is
  - (1) A transition element

(2) A representative element

(3) An inert gas

(4) An inner-transition element

- **4.** Elements in which 4f orbitals are progressively filled are called as
  - (1) Transition elements (2) Lanthanides (3) Acitinides

(4) Inert gases

- **5.** Atomic number of 15, 33, 51 represents the following family:
  - (1) carbon family
- (2) nitrogen family
- (3) oxygen family
- (4) None
- **6.** Li resembles Mg due to diagonal relationship which is attributed to :
  - (1) nearly similar polarising power

(2) same value of electron affinity

(3) penetration of sub-shells

(4) identical effective nuclear charge



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7.	Which of the following are d-block elements but not transition elements?									
	(1) Zn, Mn,Fe	(2) Zn, Cd, Hg	(3) Y, La, Sc	(4) Au,Pd,Pt						
8.	Which one of the fo	ollowing is the biggest ion	1							
	(1) Al <sup>+3</sup>	(2) Ba <sup>+2</sup>	(3) Mg <sup>+2</sup>	(4) Na+						
9.	What is the position	n of the element in the	Modern periodic table s	atisfying the electror						
			•							

- nic configuration  $(n-1) d^1 ns^2 for n = 4$ :
  - (1) 3rd period and 3rd group (2) 4th period and 4th group (3) 3rd period and 2nd group (4) 4th period and 3rd group
- 10. Which of the following statement is correct:
  - (1) Due to lanthanide contraction size of 3d series elements  $\approx$  4d series element .
  - (2) Due to lanthanide contraction size of 4d series elements ≈ 5d series element.
  - (3) Due to lanthanide contraction size of 3d series elements < 5d series element.
  - (4) Due to lanthanide contraction size of 5d series element > 4d series elements.

## **Answer Key**

1. (2) (2) (2) 5. (2) (2) 2. (1) 3. 6. (1) 7. 8. (2) 9. (4) 10. (2)



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