



Ph.: 02427-299384 Email: sonaicollege@yahoo.co.in, mesacsccollege@gmail.com Website:www.acscollegesonai.edu.in Affiliated to Savitribai Phule Pune University, Pune (I.D.PU/AN/ASC/031/1989) NAAC Re-accredited with 'A' Grade, DBT Star College Scheme, ISO 9001: 2015 Certified, AISHE Code – C-42096

# **Additional Information for the Metric No. 2.6.1**

**The Metric 2.6.1:** Programme and course outcomes for all programmes offered by the same institution are stated and displayed on website and communicated to teachers and students.

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### 1. Links for Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution

Links: Website links

1. For Under-Graduate Degree Programes

https://acscollegesonai.edu.in/learning-outcomes/

2. For Post Graduate Degree Programes

https://acscollegesonai.edu.in/learning-outcomes-2/

#### COs and POs are displayed in the every department of the college

#### Specimen photograph departments







### POS and COS communicated through teachers and students' WhatsApp group

- ACSC F. College Kha	ndaga	le S	ir Zool		/an	
CER. IN	Screening	Effect Ac	ross the Period	(Second Period) :		Screening
	Elements	Atomic number	Electronic configuration	Detailed Electronic configuration	Calculation	effect constant
N. 6. 27 . 6	Lithium (L)	3	2, 1	1s <sup>2</sup> , 2s <sup>1</sup>	2 × 0.85	1.7
	Beryllium (Be)	4	2, 2	1s <sup>2</sup> , 2s <sup>2</sup>	2 × 0.85 + 1 × 0.35	2.05
· · · · · · · · · · · · · · · · · · ·	Boron (B)	5	2, 3	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>1</sup>	$2 \times 0.85 \pm 2 \times 0.35$	2.40
	Carbon (C)	6	2, 4	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>2</sup>	2 × 0.85 + 2 × 0.35 + 1 × 0.35	2.75
	Nitrogen (N)	7	2, 5	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>3</sup>	2 × 0.85 + 2 × 0.35 + 2 × 0.35	3.10
	Oxygen (O)	8	2, 6	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>4</sup>	2 × 0.85 + 2 × 0.35 + 3 × 0.35	3.45
	Fluorine (F)	9	2, 7	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>5</sup>	2 × 0.85 + 2 × 0.35 + 4 × 0.35	3.80
	Neon	10	2, 8	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup>	$2 \times 0.85 + 2 \times 0.35 +$	4.15
12 19 PP - 1 10 2	(N1) We c	in see that	t as we move a	across the period from	$5 \times 0.35$ left to right there is	increase in
1999 4 5 8 A A A	group in the	periodic t	able.	or change in the screer reases, the magnitude of		
			iodicity of Eleme	nts	म्ब काळजीन्तु 1015 राडपढ किंसत च रहे च	53 AM 🗸
· 1	Elements	Atomic	Electronic	(Alkali Metals) : Detailed Electronic		Screening
		number	configuration	configuration	Calculation	effect constant
	Lithium (L) Sodium	3	2, 1	1s <sup>2</sup> , 2s <sup>1</sup>	2 × 0.85	1.7
	(Na) Potassium	11	2, 8, 1	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup> , 3s <sup>1</sup>	8 × 0.85 + 2 × 1	8.8
	(K)	19	2, 8, 8, 1	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup> , 3s <sup>2</sup> 3p <sup>6</sup> , 4s	2×1	16.8
	Rubidium (Rb)	37	2, 8, 18, 8, 1	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup> , 3s <sup>2</sup> 3p <sup>6</sup> 3d <sup>1</sup> 4s <sup>2</sup> 4p <sup>6</sup> , 5s	<sup>0</sup> , $8 \times 0.85 + 18 \times 1$ + $8 \times 1 + 2 \times 1$	34.8
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Caesium (Cs)	55	2, 8, 18, 18, 8,	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup> , 3s <sup>2</sup> 3p <sup>6</sup> 3d <sup>1</sup> 4s <sup>2</sup> 4p <sup>6</sup> 4d <sup>10</sup> , 5s <sup>2</sup> 5p <sup>6</sup> , 6s	$\begin{bmatrix} 8 \times 0.85 + 18 \times 1 \\ + 18 \times 1 + 8 \times 1 + \end{bmatrix}$	52.8
2	We can see	that as we	move down th	e group screening effect	2 × 1	
ANDIAN		Effect Ac	Electronic	(Second Period) : Detailed Electronic		Screening
	Elements	number	configuration	configuration	Calculation	effect constant
	Lithium (L)	3	2, 1	1s <sup>2</sup> , 2s <sup>1</sup>	2 × 0.85	1.7
A 0	Beryllium (Be)	4	2, 2	1s <sup>2</sup> , 2s <sup>2</sup>	2 × 0.85 + 1 × 0.35	2.05
	Boron (B) Carbon	5	2,3	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>1</sup> 1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>2</sup>	$2 \times 0.85 + 2 \times 0.35$ $2 \times 0.85 + 2 \times 0.35 +$	2.40
	(C) Nitrogen	7		1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>3</sup>	$\frac{1 \times 0.35}{2 \times 0.85 + 2 \times 0.35 + 2}$	
	(N) Oxygen		2, 5		2 × 0.35 2 × 0.85 + 2 × 0.35 +	3.10
Tel el so la la	(O) Fluorine	8	2, 6	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>4</sup>	3 × 0.35 2 × 0.85 + 2 × 0.35 +	3.45
Dr the A Mari	(F)	9	2, 7	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>5</sup>	4 × 0.35	3.80
	Neon (N1)	10	2, 8	1s <sup>2</sup> , 2s <sup>2</sup> 2p <sup>6</sup>	2 × 0.85 + 2 × 0.35 + 5 × 0.35	4.15
10 10 ° 1 V	screening ef	fect but th	nere is no majo	across the period from or change in the screen	i left to right there is	increase in ed down the
	group in the	periodic t	able. nic number inci	reases, the magnitude of a swell	of the screening effect as in a group.	t constant in
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Only admins can send messages

#### POS and COS communicated through teachers' e-mail

M		Search mail						
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Important			Dear Sir / Madam, DAC is sending herewith links of the college website for POs & COs 2022-23 for your reference for academi	c purposes.				
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