



**Aggarwal College Ballabgarh**

**LESSON PLAN**  
**18 WEEKS (JULY-NOV)-2024**

**Name of Faculty: Dr. Archana Chauhan**  
**Designation/ Department: Assistant Professor Chemistry**

<b>CLASS: BSc</b>	<b>SEMESTER: 1<sup>st</sup></b>	<b>SECTION: A</b>
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**SUBJECT: SECI-Role of Chemistry in Society**

<b>WEEK</b>	<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
<b>1</b>	<b>1-08-2024</b>	
	<b>2-08-2024</b>	
	<b>3-08-2024</b>	
	<b>4-08-2024</b>	<b>S. U. N. D. A. Y.</b>
	<b>5-08-2024</b>	
	<b>6-08-2024</b>	
	<b>7-08-2024</b>	<b>H.O.L.I. D. A. Y.</b>
<b>2</b>	<b>8-08-2024</b>	Composition of soil, concept of pH and pH measurement of soil
	<b>9-08-2024</b>	
	<b>10-08-2024</b>	
	<b>11-08-2024</b>	<b>S. U. N. D. A. Y.</b>
	<b>12-08-2024</b>	
	<b>13-08-2024</b>	
	<b>14-08-2024</b>	Complexometric titrations, chelation, chelating agents, use of indicators
<b>3</b>	<b>15-08-2024</b>	<b>H.O.L.I. D. A. Y.</b>
	<b>16-08-2024</b>	

	17-08-2024	
	18-08-2024	<b>S. U. N. D. A. Y.</b>
	19-08-2024	<b>H.O.L.I. D. A. Y.</b>
	20-08-2024	
	21-08-2024	Estimation of calcium and magnesium ions in soil, Definition of pure water
4	22-08-2024	Sources responsible for contaminating water, water sampling methods
	23-08-2024	
	24-08-2024	
	25-08-2024	<b>S. U. N. D. A. Y.</b>
	26-08-2024	<b>HOLIDAY</b>
	27-08-2024	
	28-08-2024	Water purification methods
5	29-08-2024	Determination of dissolved oxygen of a water sample.
	30-08-2024	
	31-08-2024	
	1-09-2024	<b>S. U. N. D. A. Y.</b>
	2-09-2024	
	3-09-2024	
	4-09-2024	A general study including preparation and uses of hair dye and soap
6	5-09-2024	A general study including preparation and uses of Uses of shampoo and suntan lotions
	6-09-2024	
	7-09-2024	
	8-09-2024	<b>S. U. N. D. A. Y.</b>

	9-09-2024	
	10-09-2024	
	11-09-2024	A general study including preparation and uses of Uses of face powder, lipsticks,
7	12-09-2024	A general study including preparation and uses of Uses of talcum powder, nail enamel.
	13-09-2024	
	14-09-2024	
	15-09-2024	<b>S. U. N. D. A. Y.</b>
	16-09-2024	
	17-09-2024	
	18-09-2024	<b>Assignment-01</b>
8	19-09-2024	<b>Test-01</b>
	20-09-2024	
	21-09-2024	
	22-09-2024	<b>S. U. N. D. A. Y.</b>
	23-09-2024	<b>H.O.L.I. D. A. Y.</b>
	24-09-2024	
	25-09-2024	General introduction to pesticides (natural and synthetic)
9	26-09-2024	Benefits and adverse effects, changing concepts of pesticides
	27-09-2024	
	28-09-2024	
	29-09-2024	<b>S. U. N. D. A. Y.</b>
	30-09-2024	
	1-10-2024	

	<b>2-10-2024</b>	<b>HOLIDAY</b>
<b>10</b>	<b>3-10-2024</b>	Brief introduction of structure activity relationship
	<b>4-10-2024</b>	<b>HOLIDAY</b>
	<b>5-10-2024</b>	
	<b>6-10-2024</b>	<b>S. U. N. D. A. Y.</b>
	<b>7-10-2024</b>	
	<b>8-10-2024</b>	
	<b>9-10-2024</b>	Synthesis, technical manufacture and uses of organochlorines (gammexene)
<b>11</b>	<b>10-10-2024</b>	Synthesis, technical manufacture and uses of organochlorines (gammexene)
	<b>11-10-2024</b>	
	<b>12-10-2024</b>	<b>HOLIDAY</b>
	<b>13-10-2024</b>	<b>S. U. N. D. A. Y.</b>
	<b>14-10-2024</b>	
	<b>15-10-2024</b>	
	<b>16-10-2024</b>	Synthesis, technical manufacture and uses of organophosphates (malathion).
<b>12</b>	<b>17-10-2024</b>	<b>HOLIDAY</b>
	<b>18-10-2024</b>	
	<b>19-10-2024</b>	
	<b>20-10-2024</b>	<b>S. U. N. D. A. Y.</b>
	<b>21-10-2024</b>	
	<b>22-10-2024</b>	
	<b>23-10-2024</b>	Synthesis, technical manufacture and uses of organophosphates (malathion).
<b>13</b>	<b>24-10-2024</b>	Basic principle of pH metric, potentiometric and conductometric titrations
	<b>25-10-2024</b>	

	26-10-2024	
	27-10-2024	<b>S. U. N. D. A. Y.</b>
	28-10-2024	<b>DIWALI BREAK</b>
	29-10-2024	<b>DIWALI BREAK</b>
	30-10-2024	<b>DIWALI BREAK</b>
14	31-10-2024	<b>DIWALI BREAK</b>
	1-11-2024	<b>DIWALI BREAK</b>
	2-11-2024	<b>DIWALI BREAK</b>
	3-11-2024	<b>S. U. N. D. A. Y.</b>
	4-11-2024	
	5-11-2024	
	6-11-2024	Applications of conductivity measurements
15	7-11-2024	Determination of degree of dissociation, determination of $K_a$ of acids and base
	8-11-2024	
	9-11-2024	
	10-11-2024	<b>ZONAL YOUTH FESTIVAL</b>
	11-11-2024	<b>ZONAL YOUTH FESTIVAL</b>
	12-11-2024	<b>ZONAL YOUTH FESTIVAL</b>
	13-11-2024	Buffer solution, buffer action
16	14-11-2024	Henderson–Hazel equation
	15-11-2024	<b>H.O.L.I.D.A.Y.</b>
	16-11-2024	
	17-11-2024	<b>S. U. N. D. A. Y.</b>
	18-11-2024	

	19-11-2024	
	20-11-2024	Buffer mechanism of buffer action.
17	21-11-2024	Assignment-02
	22-11-2024	
	23-11-2024	
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	
	26-11-2024	
	27-11-2024	Test-02
18	28-11-2024	Revision
	29-11-2024	
	30-11-2024	
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	
	3-12-2024	
	4-12-2024	Revision
	5-12-2024	Revision



Signature