

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON-PLAN

Class: B.Sc. final year (Vth sem)

Semester: ODD/EVEN

Subject: Botany 1st paper

Session: 2020-21

Lecture Number	Topic
<u>1</u>	Permeability, Theories of membrane permeability
<u>2</u>	Factors affecting permeability, Imbibition
<u>3</u>	Diffusion - D.P, factors affecting D.P.
<u>4</u>	Osmosis, - O.P, factors affecting O.P
<u>5</u>	Turgor pressure & DPD, S.P., W.P
<u>6</u>	Components of water potential, cell as an osmometer
<u>7</u>	Plasmolysis, Vernalization
<u>8</u>	Photoperiodism - classification, short and long day plants
<u>9</u>	Critical day length, Role of Phytochrome, Florigen
<u>10</u>	Flowering hormone and Gibberellins, Photomorphogenesis
<u>11</u>	Responses to red light, Phytochrome and mode of its action, cryptochrome
<u>12</u>	Ageing Senescence and Death
<u>13</u>	Growth, measurement of Growth
<u>14</u>	Factors affecting plant growth
<u>15</u>	Growth Hormone - Auxin - Discovery & its action
<u>16</u>	Physiological effects of Auxin
<u>17</u>	Growth Hormone - Gibberellins

Signature:

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Shadley