

**DEPARTMENT OF BOTANY  
REQUIREMENT FOR LABORATORY**

<b>1</b>	Slides of anther (wall of anther)
<b>2</b>	Tapetum (anther)
<b>3</b>	Slides of MMC (Microspore Mother cell)
<b>4</b>	Spore (tetrads)                      a) uninucleate                      b) Bicolored c) Dicolored                      (Another stage)
<b>5</b>	Male germ unit (slide)
<b>6</b>	Ultrastructure of pollen wall
<b>7</b>	Ovule Model                      a) Anatrope                      b) Orthotrope c) Amphitrope                      d) Circinotrope
<b>8</b>	Endothecium slide (ovule)
<b>9</b>	Study of Dicot embryo through permanent slide
<b>10</b>	Female gametophyte
<b>11</b>	Electrophoresis unit
<b>12</b>	Blotting paper
<b>13</b>	Nitrocellulose membrane
<b>14</b>	Spectrophotometer
<b>15</b>	Centrifuge
<b>16</b>	Pipette
<b>17</b>	Measuring cylinder
<b>18</b>	Volumetric flask
<b>19</b>	Mortar & pestle
<b>20</b>	Centrifuge tube
<b>21</b>	0.1 mol phosphate buffer
<b>22</b>	Sugar (powder)
<b>23</b>	Glass rod
<b>24</b>	PBS phosphate buffer saline
<b>25</b>	Ferric chloride orcinol (reagent)
<b>26</b>	pH meter
<b>27</b>	Magnetic stirrer

<b>28</b>	vertex mixture
<b>29</b>	Diphenyl amine reagent
<b>30</b>	Calf Thymus (CTDNA) powder
<b>31</b>	soil thermometer
<b>32</b>	PH paper
<b>33</b>	Psychrometer
<b>34</b>	Lux meter
<b>35</b>	Ammino thio cyanide meter
<b>36</b>	Hydrogen peroxide (powder)
<b>37</b>	Silver nitrate (powder)
<b>38</b>	White cavity tile
<b>39</b>	Dimethyle amine (powder)
<b>40</b>	Potassium Dichromate solution
<b>41</b>	Ferric ammonium sulphate
<b>42</b>	sodium fluoride powder
<b>43</b>	Diethyle ammonium solution
<b>44</b>	Steel ring
<b>45</b>	Beaker(large)
<b>46</b>	Spade
<b>47</b>	Polyethene bags
<b>48</b>	Magnesium sulphate
<b>49</b>	Hametoxylene solution
<b>50</b>	Absolute alcohol
<b>51</b>	Glycerine
<b>52</b>	Canada balsam
<b>53</b>	saffranine
<b>54</b>	Distilled water
<b>55</b>	Iodine crystals
<b>56</b>	Coverslip
<b>57</b>	Glass slide
<b>58</b>	Test tube (hard glass)
<b>59</b>	Test tube holder
<b>60</b>	spirit lamp
<b>61</b>	Hydrochloric acid
<b>62</b>	Benedict' s solution
<b>63</b>	Sodium carbonate powder

<b>64</b>	Methanol
<b>65</b>	million's reagent
<b>66</b>	Nitric acid
<b>67</b>	Ammonium hydroxide
<b>68</b>	Sodium hydroxide (powder)
<b>69</b>	Copper sulphate (powder)
<b>70</b>	Beaker.
<b>71</b>	Conical flask
<b>72</b>	Pipette
<b>73</b>	Glucose powder
<b>74</b>	
<b>75</b>	Suphuric acid
<b>76</b>	pottasium hydroxide solution
<b>77</b>	Fehling's solution
<b>78</b>	Acetocramine solution
<b>79</b>	squashing needle
<b>80</b>	Feulgaen stain
<b>81</b>	Chloroform
<b>82</b>	Galicial acetic acid
<b>83</b>	Blood grouping kit
<b>84</b>	Tryptone extract
<b>85</b>	Yeast extract
<b>86</b>	TAE buffer
<b>87</b>	SDS powder
<b>88</b>	RNAase powder
<b>89</b>	Proteinase (powder)
<b>90</b>	Ethanol
<b>91</b>	EDTA(powder)
<b>92</b>	Sodium chloride
<b>93</b>	PMSF(methyle sulphonate floride)
<b>94</b>	1.5 ml eppendorf tube
<b>95</b>	Bacteriological colorimeter
<b>96</b>	Ether
<b>97</b>	Tricheric acid TCA
<b>98</b>	pottasium hydroxide powder
<b>99</b>	Perchloric acid(PCA)
<b>100</b>	Spectrophotometer (Repeated)

<b>101</b>	Volmetric flask
<b>102</b>	Cheese cloth
<b>103</b>	Flat glass plate
<b>104</b>	5% tepol reagent
<b>105</b>	Silica gel
<b>106</b>	Gypsum
<b>107</b>	Cellulose MN 800
<b>108</b>	Plaster of paris
<b>109</b>	Calcium sulphate
<b>110</b>	Galactose
<b>111</b>	Isopropanol
<b>112</b>	N-leatanol acetic acid
<b>113</b>	Aniline -diphenylamine
<b>114</b>	cork-borer
<b>115</b>	Digital balance
<b>116</b>	sucrose powder
<b>117</b>	Paraffin
<b>118</b>	Chlorinated soda
<b>119</b>	Stage micrometer
<b>120</b>	Occular microscope
<b>121</b>	Feviquick
<b>122</b>	Tissue paper
<b>123</b>	Farmer's potometer
<b>124</b>	Ganog's potometer
<b>125</b>	Oxanometer growth measurement
<b>126</b>	Different specimen for alage(cyanophyta,oscillataia,nostoc,chlorella,alothrix,oedogonium,coleaacheta,chava,v auchria,baterosperma,polysiphoria)
<b>127</b>	Chromatographic Chamber
<b>128</b>	Vasellin