

## LESSON PLAN

NAME OF THE FACULTY : SUNITA  
DEPARTMENT : ARCHITECTURAL ASSISTANTSHIP  
SEMESTER : 4th  
SUBJECT : **BUILDING MATERIALS AND CONTRUCTION -III**  
LESSON PLAN DURATION : 17 WEEKS  
WORK LOAD PER WEEK : 06

<b>Week</b>	<b>Lecture Day</b>	<b>Topics</b>
<b>Week-1</b>	<b>1</b>	<b>UNIT-1 Plastics</b> Natural (Shellac, casein and cellulose) and synthetic plastics Thermosetting and thermoplastics and their uses.
	<b>2</b>	Plastics used as materials in building, industry e.g. flooring, roofing, wall panelling, pipes, doors etc
<b>Week-2</b>	<b>3</b>	Polymers – carbon fiber, polymer concrete, polycarbonate sheet etc
	<b>4</b>	Test Of Unit-1
<b>Week-3</b>	<b>5</b>	<b>UNIT-2 Alloys and Metals</b> Ferrous and non-ferrous metals (Aluminum, copper, lead, zinc, tin etc) their uses and applications in buildings.
	<b>6</b>	Test Of Unit-2
<b>Week-4</b>	<b>7</b>	<b>UNIT-3 Paints and Varnishes, Drying Oil, Pigment, Drier, Thinner, Adhesives Synthetic resins (their trade names, uses of synthetic resins, costs, application in various situations as compared to traditional materials and methods .</b>
	<b>8</b>	Packing sizes, rates, brands, performance guarantees as given by the manufacturer and collection of catalogues and their covering capacity, uses and availability of paints and varnishes.
<b>Week-5</b>	<b>9</b>	<b>Conduct of 1st Sessional Test From 15/03/2024-21/03/2024</b>
	<b>10</b>	

<b>Week-6</b>	<b>11</b>	<input type="checkbox"/> Water based paints <input type="checkbox"/> Distempers <input type="checkbox"/> Cement paints <input type="checkbox"/> Oil based paints and emulsions
	<b>12</b>	<input type="checkbox"/> Acrylic emulsions <input type="checkbox"/> Melamine finishes <input type="checkbox"/> Varnishes <input type="checkbox"/> Spirit polish, wax polish
<b>Week-7</b>	<b>13</b>	<input type="checkbox"/> Lacquers <input type="checkbox"/> Stucco <input type="checkbox"/> Tar and Bitumen paint <input type="checkbox"/> Glazing putty
	<b>14</b>	Test Of Unit-3
<b>Week-8</b>	<b>15</b>	<b>UNIT-4 Floor Finishes</b> (Laying sizes, availability, popular brand names, quality of polish, uses and current market rates) <input type="checkbox"/> Terrazzo Tiles and Flooring <input type="checkbox"/> PVC
	<b>16</b>	<input type="checkbox"/> Glazed terracotta and ceramic tiles <input type="checkbox"/> Cement Concrete Til <input type="checkbox"/> Linoleum tiles and rolls
<b>Week-9</b>	<b>17</b>	<input type="checkbox"/> Marble stone, Kota stone, slate, red sand stone, granite – their tiles and slabs <input type="checkbox"/> Parquet (Wooden) <input type="checkbox"/> Heavy duty flooring for industrial building
	<b>18</b>	Test Of Unit-4
<b>Week-10</b>	<b>19</b>	<b>Conduct of 2nd Sessional Test From 22/04/2024-26/04/2024</b>
	<b>20</b>	
<b>Week-11</b>	<b>21</b>	<b>UNIT-5 Exterior &amp; Interior Wall Finishes</b> (along with application method)
	<b>22</b>	<input type="checkbox"/> Wall board homogeneous
<b>Week-12</b>	<b>23</b>	<input type="checkbox"/> Laminated fiber boards – types
	<b>24</b>	<input type="checkbox"/> Plastic wall tiles – tiles available
<b>Week-13</b>	<b>25</b>	<input type="checkbox"/> Wall papers <input type="checkbox"/> Cork sheets and tiles
	<b>26</b>	<input type="checkbox"/> Thermocol <input type="checkbox"/> Foam rubber tiles and rolls
<b>Week-14</b>	<b>27</b>	<input type="checkbox"/> Textured paint finishes <input type="checkbox"/> Exterior wall finishes
	<b>28</b>	Test Of Unit-5

<b>Week-15</b>	<b>29</b>	<b>Conduct of 3rd Sessional Test From 27/05/2024-31/05/2024</b>
	<b>30</b>	
<b>Week-16</b>	<b>31</b>	Sheets Final Submission
	<b>32</b>	Mock Test of Complete Syllabus
<b>Week-17</b>	<b>33</b>	Problem Solving Classes
	<b>34</b>	

