

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc (Home Science)**  
**Semester: VI**  
**(Family Resource Management)**  
**Syllabus with effect from: November/December-2013**

**Theory**

**Objectives:**

- To familiarize them about exterior & interior features of the house.
- To make them aware about the domestic services essential for a building.
- To study about the types of construction materials & finishes.

<b>Paper Code:UH06CFRM01</b>	<b>Total Credit: 3</b>
<b>Title Of Paper: Building Structure &amp; Materials</b>	

Unit	Description in detail	Weighting (%)
I	<b>Exterior Construction features</b> Foundation: Deep & Shallow. Roof: Pitched, flat. Wall: Load bearing & non load bearing.	20%
II	<b>Interior Construction features of house</b> Stairways. Doors. Windows. Floors	15%
III	<b>Domestic services</b> Water Supply. Drainage. Electricity. Garbage disposal. Home safety. Gas supply. Tele communication. Air. Cable	30%
IV	<b>Materials used in construction of a house</b> Brick: Composition, types & properties of good bricks. Cement: Composition, types. Plaster: line plaster, cement plaster their composition & use. Mortar: line mortar, cement mortar, composition & function. Concrete: line concrete, cement concrete, composition, properties. R.C.C: composition, properties & uses. Stone: types, properties & use. Steel: wrought, vich, cast vich. Prefabricated material.	20%
V	<b>Finishing Materials</b> Paints: indoor, outdoor, properties of good paints. Wall Paper:	10%



	Glazed tiles: Wood: Acrylic sheds	
VI	Estimation of Building struction	5%

### Basic Text & Reference Books

- Deshpande.R.S.(1997) “Build your own Homes” United Book Corp, Poona.
- Deshpande.R.S.(1978) “Modern ideal homes for Indis”, United Book Corp.
- Bindra S P & Arora S P(2003) “Building Construction”, Ganpat Rai Pub, New Delhi.
- Ressie Agan M.S.1970 “The house its plan and use”, Oxford & IBH pub.co, New Delhi.
- “Budgetwise House Plans”pub, House plan Headquarters Inc 48 street New York.10036.
- “Attractive India plans” pub. Kohinoor Pub.1899 city station road, Agra.
- “Home Plan Favuorites” pub. Archway Press Inc.48 west 48<sup>th</sup> street New york.
- “Money saving House Plans” 85 & 87 Houseplan Head Quarters, Inc 48 West Street New York.
- Deshpande.R.S.(2000) “House of Middle Class Family”, Rangwala S.C. “Town planning” Charotar Pub.House, Anand.
- Ruth F Sherwood (1972) “Homes today and tomorrow” ches A benett Co.Inc, Peoria

