

**SARDAR PATEL UNIVERSITY**  
**PROGRAMME: BBA (HONS') (Hospitality Management) (3 Years)**  
**(Under Choice Based Credit System Based on UGC Guidelines)**

**SEMESTER – III**

**Syllabus with effect from: June-2019**

<b>Paper Code: UM03GBBH21</b>	<b>Total Credit:3</b>
<b>Title of Paper: Hotel Engineering &amp; Maintenance</b>	
<b>Objective:</b> At the end of the semester students will be able to understand and explain- <ul style="list-style-type: none"> <li>- Importance of maintenance &amp; engineering in Hospitality Industry.</li> <li>- Duties and responsibilities of a chief engineer.</li> <li>- Organization of maintenance &amp; engineering department in a hotel.</li> <li>- Maintenance procedure in the hotel</li> <li>- Fires and fire Hazards</li> </ul>	

**Theory**

Unit	Description in detail	Weighting (%)
I	<b>Hotel Maintenance Department</b> Introduction. Flowchart To Indicate Functioning Of Maintenance Department InA Hotel. Organization And Set Up Of Maintenance Department, Organizations Chart. The Staff – Duties And Responsibilities. Types Of Maintenance –Preventive And Break Down Maintenance- Their Comparison. Contract Maintenance. Types Of Contract-Service Contract	25 %
II	<b>Equipment Replacement Policy</b> Terms And Condition. Inadequacy Obsolescence-Excessive Maintenance-Declining Efficiency. Replacement Policy Of Equipment Which Gradually Deteriorate-Economic Replacement Cycle For Abruptly Falling Equipment. Replace When Current Annual Cost Is Equal To Average Annual Cost To Date	25 %
III	<b>Water Management &amp; Sanitary System</b> Sources Of Water, Method Of Removal Of Hardness, Water requirement in Hotels Sinks, Basin, Water Closet, Bidets And Their Fittings, Use Of Water Traps And Water Seals	25 %
IV	<b>Fire Prevention &amp; Protection</b> Different Types Of Fires, Fire Fighting Systems- (Fire Alarms, Extinguishers And Their Maintenance), Fire Hazard	25 %

**Tutorial**

The Students Would Be Noting Down The Important Factors, Issues, Consequences And Their Related Case Studies In The Journals.

**Evaluation : Internal : 40 Marks (Theory)**  
**: External: 60 Marks (Theory) – Two Hours Examination**

Journal Shall Be Evaluated By The Concerned Teacher.

**Basic Text & Reference Books:**

- The Management of Maintenance and Engineering Systems in Hospitality Industry By Frank D.
- Borsenik & Alan T. Stutts, Published: John Willey & Sons Inc NY
- Textbook of Hotel Maintenance – N.C.Goyal & K.C.Goyal