INTRODUCTION
Knowledge of herbs has been handed down from generation to generation for thousands of years. Herbal drugs constitute a major part in all traditional systems of medicines. Herbal medicine is a triumph of popular therapeutic diversity. Plants above all other agents have been used for medicine from time immemorial because they have fitted the immediate personal need and are easily accessible and inexpensive. In the recent past there has been a tremendous increase in the use of plant based health products in developing as well as developed countries resulting in an exponential growth of herbal products globally. An upward trend has been observed in the research on herals. Herbal medicines have a strong traditional or conceptual base and the potential to be useful as drugs in terms of safety and effectiveness leads for treating different diseases. World Health Organization has made an attempt to identify all medicinal plants used globally and listed more than 20,000 species.

Asthma affects 7% of the total population and approx 300 million worldwide. During attacks the smooth muscle cells in the bronchi constrict, and the airways become inflamed, swollen and breathing becomes difficult. The present study was undertaken to evaluate the claimed therapeutic effect i.e. asthma relieving or antispasmodic property of Achyranthus aspera.

MATERIALS AND METHODS
The plant material of Achyranthus aspera was collected from the fields of District Khargone of M.P. The plant was identified and authenticated by the taxonomist of botany department of S.S.L Jain College Vidisha. A voucher specimen of the plant material was procured in the herbarium data sheet of the laboratory. The plant material was washed thoroughly with water and then air dried in shade at room temperature 25 ± 2°C for more than 15 days. The air dried plant material was grinded to powder about 40 – 60 mesh size. The 50gm of the powdered material was loaded into soxhlet apparatus separately for extraction with the solvent of increasing order of polarity (n-Hexane, Chloroform and Methanol). The extract was filtered through Whatman’s filter paper. Then the crude extract was concentrated in the vacuum rotary evaporator. The crude extract obtained from plants was tested for various biological activities against Asthmatic rats.

OBSERVATION AND RESULTS
For the anti-histaminic activity, all the groups were sensitized by injecting subcutaneously 0.5 ml of horse serum along with 0.5 ml of triple antigen containing 20,000 million Bordetella pertussis bacteria. The sensitized rats were divided into five groups. Group I was served as control and have received water with ad-libitum but not treated and sacrificed for the observation of mast cells which were found 15.50±2% intact and 88.20±2% disrupted. Mast cells were observed carefully and percentage of intact and disrupted mast cells were calculated. Table below showed the effect of active fractions of Achyranthus aspera extract on sensitized rats.

In the II group which was treated with active fraction of Achyranthus aspera extract, it was noticed that when the dose of 50 mg/kg body weight were given orally with water by using oral feeding tube needle, the disruption of mast cells were found 35.60±2% disrupted and intact mast cells were found 64.40±2%. In another dose of 100 mg/kg body weight for the same plant, the disruption of mast cells were found 27.70±2% and intact mast cells were found 72.30±2%.

ANTIHISTAMANIC ACTIVITY OF EXTRACT OF ACHYRANTHUS ASPERA AGAINST ASTHMATIC ALBINO RATS
Mahesh Ningwal¹, Rajendra Chauhan² and Irshad Baba¹

¹Pest control and Ayurvedic Drug Research Lab, S.S.L Jain P.G College, Vidisha, Madhya Pradesh, India.
²MLB P.G. Autonomous College, Bhopal, Madhya Pradesh, India.
Table: Effect of active fraction of plant extracts on albino rats

<table>
<thead>
<tr>
<th>Group</th>
<th>Treatment</th>
<th>Dose (mg/kg b. w.)</th>
<th>Route of administration</th>
<th>Mast cells de-granulation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Disrupted %</td>
</tr>
<tr>
<td>I</td>
<td>Control Sensitized</td>
<td>--</td>
<td>Not given</td>
<td>88.20±2%</td>
</tr>
<tr>
<td>II</td>
<td>Treated with Achyranthus aspera</td>
<td>50</td>
<td>Orally</td>
<td>35.60±2%</td>
</tr>
<tr>
<td></td>
<td>extract</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>Standard drug Prednisolone</td>
<td>10</td>
<td>Intra muscular</td>
<td>20.40±2%</td>
</tr>
</tbody>
</table>

P value 0.05, * SEM

REFERENCES
18. Pandey NK, Joshi GC and Uniyal MR. Conservation inventory of high altitude medicinal plants of western Himalayas used in Indian system of medicine. Conference of Pharmacology and