CONCLUSION

The main aim of our research is to see the effect of the extracts of medicinal plants on disease infected blood samples like dengue and viral fever. Since each medicinal plant is made up of large number of chemically and biologically active chemical compounds, therefore each of these plants give credible response towards our research analysis.

Medicine can be defined as a substance or preparation which is used to treat or cure disease. There are several types of medicines present in all over the world. The extracts which are obtained from various parts of these plants, have been used for treating and curing diseases globally since time unknown. These naturally occurring plants which are used for medicinal purpose are known as medicinal plants. In Ayurveda many such plants are used for treating various types of diseases.

Among these plants, leaves of Basil (Tulsi), Azadirachta Indica (Neem), Carica papaya (Papaya) roots like, Zingiber (Ginger), Allium sativum (garlic), Curcuma longa (Turmeric) which are commonly used to cure and treat many diseases, were selected for the research purpose. All these medicinal plants constitute of chemically active components which have medicinal values and can be used for treatment of certain common ailments like cough, cold fever etc. In order to make a formulation for curing airborne diseases like dengue, malaria, swine flu, viral fever etc. the aqueous extracts of all these plants were mixed in specified ratios and analysed for the further studies. Out of all the selected plants, Allium sanctum was rejected because it gave some vague results as compared to the extracts of the other plants.

The selected medicinal plants were mixed in different ratios and prepared large number of combinations. Boiling point and critical temperature of all the combinations were determined. Depending on the results of boiling point and critical solution temperature three combinations i.e. 1:2:2:3:3, 2:2:1:2:3 and 2:2:2:3:1 were selected for the further studies. These finalised ratios were also doped with the normal and infected samples of blood and analysed. As papaya leaves are very useful for treating dengue disease, therefore higher concentration of papaya leaves extract was kept in each combination.

Medicinal plants are potential renewable natural resources and are generally considered to play a beneficial role in human health care. The medicinal value
of these plants lies in some chemical substances that produce a definite physiological action on the human body. The most important of these bioactive compounds are alkaloids, flavonoids, tannins and phenolic compounds. From the finalised combination of medicinal plants papaya leaves can control the blood platelet count and remaining all the plants can used to increase immune power of the human body. The finalised combination ratio of the mixture is can be used by all age people. Even the pregnant woman who is suffering from dengue, malaria or any viral diseases can take this combination as a medicine. It is safe and free from side-effects as it is made by all the natural medicinal plants. The papaya leaf and basil leaf extract is the best or wonderful health elixir of human life. The health benefits associated with this mixture are very high. This is proper Ayurveda syrup with strong medicinal properties. This combination or syrup is useful for many ways as follow.

1. In adults:
   The Medicine for constipation. As this mixture consists of a ginger and basil it is very useful to treat stomach related problems.
   Joint pain can be lower down by this combination.

2. In tin agers:
   Skin related problems can be treated by this combination as it contains neem and turmeric.
   The menstrual pain can be lower down.

3. In children:
   In case of fever, stomach ache in children the combination with the honey can be given to the child.