

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**(A DEEMED TO BE UNIVERSITY)****Time : 3 Hrs.****Pre. Ph.D. Examination June-2017****[Max. Marks: 100]****Allied Health Sciences****Paper – II****Area of Specialization****Q.P Code: 5302***Your answers should be specific to the questions asked.**Draw neat labelled diagrams wherever necessary.***LONG ESSAY****10 X 10 = 100 Marks**

1. Discuss the role of memory T-cells and natural killer cells.
2. Explain the sub-types of IgG and their functions.
3. What is cell mediated immune response? Explain the cell mediated immune reactions.
4. Describe the structure and mechanism of action of G-protein coupled receptors.
5. Write an account on the sources and functions of interleukins.
6. Give a detailed account of genetic basis of inflammation.
7. Discuss immune evasion mechanisms by intracellular bacteria.
8. Give an account of the inflammation of middle ear due to infection.
9. Describe the procedure of genome-wide association study and a note on its significance.
10. Explain the principle, method and applications of western hybridisation.

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