

## IMPORTANT QUESTIONS:-

## IMMUNOLOGY & BIOTECHNOLOGY

for 5<sup>th</sup> Sem / ZOOLOGY

### SHORT QUESTIONS:-

1. LYMPHOCYTES
2. MACROPHAGES
3. LYMPH NODE
4. SPLEEN
5. BURSA FABRICIUS
6. THYMUS
7. ANTIGENS
8. HAPTANES
9. PHAGOCYTOSIS
10. PRECIPITATION
11. AGGLUTINATION
12. OPSONIZATION
13. TYPE IV HS
14. TYPE V HS
15. AUTOIMMUNITY
16. PBR 322
17. CLONING
18. VECTORS
19. TRANSGENESIS
20. IVF TECH.
21. HYBRIDOMA TECH
22. STEM CELL TYPES
23. B.T. CONCEPT
24. BIOREACTORS

### LONG QUESTIONS:-

1. TYPES OF IMMUNITY (i) INNATE (ii) ACQUIRED  
(iii) HUMORAL & (iv) CELL MEDIATED.
2. FACTORS INFLUENCING INNATE IMMUNITY.
3. STRUCTURE, FUNCTION & TYPES OF IMMUNOGLOBULINS.
4. HYPERSENSITIVITY - TYPES - WITH MECHANISM & EXAMPLES.
5. AUTO IMMUNITY - DISEASES / (with concept)
6. AS ~ Ab - REACTIONS
7. MHC - CONCEPT / STRUCTURE & SIGNIFICANCE<sup>in</sup> TRANSPLANTATION
8. PRIMARY & SECONDARY LYMPHOID ORGANS.
9. CELLS OF IMMUNE SYSTEM.

10. COMPARISON BETWEEN HUMORAL & CELL MEDIATED IMMUNITY
11. CLONING VECTORS - TYPES.
12. PLASMIDS - TYPES.
13. RESTRICTION ENDO NUCLEASES & DNA TECH.
14. TRANSGENESIS - TYPES & METHODS.
15. PRODUCTION OF TRANSGENIC ANIMAL.
16. STEM-CELL TYPES AND CONCEPT.
17. APPLICATIONS OF STEM CELL TECHNOLOGY.
18. IVF. TECHNOLOGY - USES.
19. HYBRIDOMA TECH. & PRODUCTION OF MONOCLONAL - ANTIBODIES
20. MODE OF ACTION OF Bacillus thuringiensis (BT) & ROLE  
APPLICATION OF BIOREACTORS in Biotechnology.