

**B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2018****SEMESTER – 6: ZOOLOGY (CORE COURSE)****COURSE: 15U6CRZOO11: MICROBIOLOGY AND IMMUNOLOGY***(For Regular 2015 Admission)*

Time: Three Hours

Max. Marks: 60

**PART A**Answer **all** questions. Each question carries **1** mark

1. What are Archaeobacteria?
2. What is capsid?
3. What are haptens?
4. What is lyophilization?
5. Name two STDs.
6. What is nosocomial infection?
7. What is the principle of widal test?
8. Comment on saprophytic mode of nutrition in fungi. (1 x 8 = 8)

**PART B**Answer **any Six**. Each question carries **2** marks

9. What is erythroblastosis foetalis?
10. What are immunoglobulins?
11. Write notes on bacterial viruses.
12. What are adjuvants?
13. What are prions?
14. Give a brief note on mycoplasma.
15. What is septicaemia?
16. What is the difference between endemic and pandemic diseases? (2 x 6 = 12)

**PART C**Answer **any four**. Each question carries **5** marks

17. Explain briefly the different types of culture media.
18. Explain the structure of a virus.
19. Describe Hybridoma technology.
20. Describe autoimmune diseases with examples.
21. Explain the principle of ELISA.
22. Write short note on rickettsia (5 x 4 = 20)

**PART D**Answer **any Two**. Each question carries **10** marks

23. Give an account of morphology and fine structure of bacteria.
24. Write an essay on the different categories of immunoglobulins and their functions
25. What are different types of infections? Brief on their preventive measures.
26. Write an essay on immune disorders. (10 x 2 = 20)