

**Q.P.Code 203004**

**Reg. No.:.....**

**Second Professional BHMS Degree Supplementary Examinations –  
September 2015**

**Pathology and Microbiology Including Parasitology, Bacteriology and Virology -  
Paper II**

**Time : 3 hrs**

**Max marks : 100**

- **Answer all questions**
- **Draw diagram wherever necessary**

**Essays:** (2x10=20)

1. Describe the modes of infection and life cycle of entamoeba histolytica.
2. Describe the morphology, cultural characters and pathogenicity of pneumococcus. (2+3+5=10)

**Short notes:** (10x5=50)

3. Explain the pathogenesis of hydatid cyst.
4. Describe the various sizes and shapes of different groups of viruses.
5. Describe the pathologic changes and complications of acute pyelonephritis.
6. Explain the pathogenic effects caused by ancylostoma duodenale larvae.
7. Describe the pathologic changes in pyogenic osteomyelitis.
8. List the toxins produced by streptococcus pyogenes. Explain any one of them.
9. Describe inclusion bodies.
10. Describe the procedure of sterilization using autoclave.
11. Explain selective media with examples.
12. Enumerate the differences between exotoxin and endotoxin

**Answer briefly:** (10x3=30)

13. Examples for capsulated bacteria.
14. Define arthropod borne diseases.
15. List the application of tube agglutination.
16. List the malarial parasites and the characteristic fever caused by them.
17. Define chronic renal failure.
18. Yersinia pestis
19. Define "parasite" and "host".
20. Define "epitope" and "paratope."
21. Define bacterial flagella and mention an example
22. Hepatitis B surface antigen

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