

**Second BHMS Degree Supplementary Examinations April 2018**

**Pathology, Microbiology and Parasitology – II**

**(2015 scheme)**

**Time: 3 hrs**

**Max marks: 100**

- **Answer all questions**
- **Draw diagram wherever necessary**
- **Write Part A and Part B in one answer book**

**PART - A**

**Essay** (14)

1. Describe the morphology, cultural characteristics and pathogenicity of streptococcus pyogenes. (3+4+7)

**Short Essay** (3x7=21)

2. Discuss the importance of biochemical properties in the identification of bacteria.
3. Name various bacteria causing sore throat with or without pseudomembrane formation. Discuss any one of them.
4. Hydatid cyst.

**Answer briefly** (5x3=15)

5. Mycetoma
6. Amoebic liver abscess
7. Sterilisation by radiation
8. Enrichment media
9. Contributions of Louis Pasteur in microbiology

**PART – B**

**Essay** (14)

10. Describe the morphology, pathogenesis and laboratory diagnosis of human immunodeficiency virus. (4+5+5)

**Short Essay** (3x7=21)

11. Pathogenesis and complications of rubella infection.
12. Differences between active immunity and passive immunity
13. Polymerised chain reaction in diagnosis of diseases

**Answer briefly** (5x3=15)

14. Hospital infections
15. Antigenic variations of influenza virus
16. Clinical features of mumps
17. Japanese encephalitis
18. Atopy

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