

**Second Professional BHMS Degree Regular/Supplementary Examinations  
April 2024**

**Pathology, Microbiology and Parasitology – I  
(2015 Scheme)**

Time: 3 hrs

Max marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary • Write Part A and Part B in one answer book

**PART - A**

**Essay (14)**

1. Define neoplasia. Classify neoplasia. Explain the various routes of metastasis (2+4+8)

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

2. Define fatty liver. Describe the aetiopathogenesis of fatty liver.  
3. Define embolism. Describe aetiopathogenesis of pulmonary embolism  
4. Describe the process of healing.

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

5. List the differences between Apoptosis and Necrosis  
6. Enumerate the factors determining the severity of ischaemic injury.  
7. Enlist the types of metaplasia with examples  
8. Sketch the morphology of a granuloma  
9. Define amyloidosis. List the staining characteristics of amyloid

**PART – B**

**Essay (14)**

10. Define anaemia. Write the pathophysiologic classification of anaemia. Enlist the aetiology of Iron deficiency anaemia. (2+6+6)

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

11. Describe the morphology of rheumatic heart disease  
12. Describe the pathogenesis of osteoarthritis.  
13. Explain the aetiopathogenesis and morphological changes in Acute pyelonephritis

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

14. Enlist the lesions of rickets  
15. Sketch the morphologic features of chronic bronchitis  
16. Describe the types of gall stones  
17. Describe the aetiopathogenesis of goitre  
18. Sketch the morphology of benign enlargement of prostate

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