



**J-M201916**

Seat No. \_\_\_\_\_

**Second Year B. Physiotherapy Examination**

**July - 2019**

**Pathology & Microbiology**

Time : Hours]

[Total Marks : 80

- Instructions :**
- (1) Write Section-I and Section-II in separate answer book.
  - (2) Figure on right side indicates full marks of the Question.
  - (3) Draw neat and clean diagram wherever it is necessary.
  - (4) Write legible and to the point.

**SECTION - I (Pathology)**

- 1** Write answer of any **one** : **10**
  - (a) Define necrosis. Types of necrosis with their morphology and example..
  - (b) Define inflammation. Discuss pathological changes occur during acute inflammation.
  
- 2** Write short answer of any **three** : **15**
  - (a) Cellular adaptations.
  - (b) Hypersensitivity reactions.
  - (c) Hemoglobinopathies.
  - (d) Myocardial infarction - morphology and laboratory investigations.
  
- 3** Write answer in very short of any **five** : **15**
  - (a) Emphysema
  - (b) Hepatitis B
  - (c) Tumor markers
  - (d) Thrombosis and Embolism
  - (e) Megaloblastic Anemia
  - (f) Classify Glomerulonephritis.

## SECTION - II (Microbiology)

- 5 Write answer of any **one** : **10**
- (a) Describe Morphology, Cultural Characteristics and Pathogenicity of *Staphylococcus aureus*.
  - (b) Describe Morphology, Cultural Characteristics and laboratory diagnosis of *Salmonella typhi*.
- 6 Write short answer of any **three** : **15**
- (a) Describe structure and properties of Immunoglobulin G.
  - (b) Describe Life cycle of Round worm.
  - (c) Extra intestinal amoebiasis.
  - (d) Laboratory diagnosis of HIV infection.
- 7 Write answer in very short : (any **five**) **15**
- (a) Bacterial cell wall.
  - (b) Selective culture media.
  - (c) Principle and uses of Autoclave.
  - (d) Type-I hypersensitivity reaction.
  - (e) Candidiasis.
  - (f) Describe morphology and pathogenesis of Rabies virus.
-