



**JAR-M01718**

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

**Second Year M. B. B. S. Examination**

**December - 2019**

**Pathology : Paper - I**

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Write answers of each section separately.  
(2) Draw neat and clean diagrams where necessary.  
(3) Figures to the right indicate full marks.

**SECTION - I**

- 1** Write notes on : (**Three** out of Four) **12**  
(a) Role of mitochondria in irreversible cell injury.  
(b) Paraneoplastic syndrome.  
(c) Describe phagocytosis in inflammation.  
(d) Define shock and describe pathogenesis of septic shock.
- 2** Answer in brief : (**Four** out of Five) **8**  
(a) Enumerate 4 stains to demonstrate amyloid.  
(b) Autophagy.  
(c) Define gangrene and give examples of dry gangrene.  
(d) Name 4 cell mediated chemical mediators in inflammation.  
(e) Enumerate 2 DNA oncogenic viruses with associated tumor.

**SECTION - II**

- 3** Write notes on : (**Three** out of Four) **12**  
(a) Anticoagulants used in haematology.  
(b) Difference between neutrophilic leukemoid reaction and chronic myeloid leukemia.  
(c) Reticulocyte.  
(d) Investigations in case of blood transfusion reaction.
- 4** Answer in brief : (**Four** out of Five) **8**  
(a) Enumerate causes of hypochromic microcytic anaemia.  
(b) Draw basophil and give causes of basophilia.  
(c) Enumerate 4 tests used for diagnosis of coagulation disorders.  
(d) What is M:E ratio in Bone marrow examination and give its significance?  
(e) Normal value of S. creatinine and Blood urea.