

**II-M.B.B.S. WINTER 2017**  
**SUBJECT: PATHOLOGY PAPER-I**

Day : Tuesday  
Date : 02/01/2018

**W-2017-3267**

Time: 2.00 pm To 4.00 pm  
Max. Marks: 40.

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate full marks.
  - 3) Neat and labeled diagrams must be drawn **WHEREVER** necessary.
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- Q.1 a)** A 24 year old malnourished female presented with high grade fever with chills, productive cough with rusty sputum and breathlessness. What is the most likely diagnosis? Describe the morphology of the organ involved in various stages of the disease. Enumerate its complications. **(05)**
- b)** A 12 year old male presented with recent onset flitting joint pains and swellings of his major joints following a sore throat along with progressive dyspnoea. Chest auscultation revealed a murmur. What is the most probable diagnosis? Discuss the pathogenesis of this condition and enumerate its diagnostic criteria. **(05)**
- Q.2 a)** Describe the mechanisms of cell injury. **(05)**
- b)** Define inflammation. Classify chemical mediators of acute inflammation. Add a note on cytokines. **(05)**
- Q.3 a)** Classify ulcers of the intestine. Differentiate typhoid from tubercular intestinal ulcers. **(05)**
- b)** Define nephrotic syndrome. Enumerate the types of glomerulonephritis leading to nephrotic syndrome and describe the morphology of any one type. **(05)**
- Q.4** Write short notes on **ANY FIVE** of the following: **(10)**
- a) Apoptosis
  - b) Air embolism
  - c) Dystrophic calcification
  - d) Type III Hypersensitivity reaction
  - e) Sago spleen
  - f) Thyroiditis

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