

**D. M. L. T. : WINTER - 2018**  
**SUBJECT: PATHOLOGY**

Day: Saturday  
Date: 01/12/2018

Time: 2.00 P.M. TO 5.00 P.M  
Max. Marks: 100

**W-2018-3635**

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**N.B.:**

- 1) All questions are **COMPUSLORY**.
  - 2) Both the sections should be written in **SEPARATE** answer book.
  - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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**SECTION-I**

- Q.1** What are various abnormal constituents of urine? Describe the tests to detect these and discuss its significance. **(15)**
- Q.2** Classify fixatives. Describe in detail action advantages and disadvantages of any one of it. **(15)**
- Q.3** Write short notes on any **FOUR** of the following: **(20)**
- a) Supravital stain
  - b) Prothrombin time
  - c) Museum techniques for specimen preservation
  - d) Haematoxylin
  - e) Types of microtomes

**SECTION-II**

- Q.4** Describe various abnormalities of red blood cells in peripheral blood. How will you identify and confirm them. **(15)**
- Q.5** Describe selection of blood donor. Enumerate blood donor reactions. **(15)**
- Q.6** Write short notes on any **FOUR** of the following: **(20)**
- a) Fresh frozen plasma
  - b) Pap smear
  - c) Frozen section
  - d) Cross- matching
  - e) Pleural fluid examination

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