

# D.M.L.T.

BRAMHAPUTRA: WINTER - 2016  
SUBJECT: PATHOLOGY

Day: Saturday  
Date: 03/12/2016

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

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Use **SEPARATE** answer sheet or each section.
- 4) Draw neat and labeled diagram **WHEREVER** necessary.

## SECTION-I

- Q.1 Describe in detail the method of tissue processing in a histopathology laboratory. (15)
- Q.2 Classify anemias morphologically and etiologically. (15)  
Enumerate the lab investigations done in a case of anemia.
- Q.3 Write short notes on any **FOUR**: (20)
- a) P. B. S. picture in acute leukemia
  - b) Hemophilia
  - c) Frozen section
  - d) Decalcification
  - e) Congo Red staining

## SECTION-II

- Q.4 How is blood stored in a blood bank? Enumerate the tests done on the donor's blood to check whether it is safe for transfusion. (15)  
List the unwanted (adverse) effects of blood transfusion?
- Q.5 Describe urine examination in detail. (15)
- Q.6 Write short notes on any **FOUR**: (20)
- a) Buffy coat preparation
  - b) Eosinophilia
  - c) C.S.F. examination
  - d) Pap smear
  - e) Safety precautions while working in a pathology laboratory

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**BRAMHAPUTRA: WINTER - 2016**  
**SUBJECT: MICROBIOLOGY**

Day: Monday  
Date: 05/12/2016

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

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.

- Q.1 Describe the anatomical structure of bacterial cell in detail. (15)
- Q.2 Describe laboratory diagnosis of Cholera. (15)
- Q.3 Enumerate serological reactions and write agglutination reaction in detail. (15)
- Q.4 Enumerate organisms causing urinary tract infection and describe the laboratory diagnosis of urinary tract infection. (15)
- Q.5 Write short notes on any **FOUR** of the following: (20)
- a) Enrichment media
  - b) Laboratory diagnosis of malaria
  - c) Antibiotic susceptibility test (ABST)
  - d) Coagulase test
  - e) Tissue culture
- Q.6 Write short notes on any **FOUR** of the following: (20)
- a) Candidiasis
  - b) Polio vaccine
  - c) Autoclave
  - d) Biomedical waste management
  - e) Concentration methods of stool for ova and cyst.

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